SECTION VII

The Effect of Anterior Pituitary Extract in Alloxan Diabetes.

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The Effect of Anterior Pituitary Extract in Alloxan Diabetes.

Dunn, Sheehan and McLetchie (1943) demonstrated how alloxan produces selective necrosis of the pancreatic islets in the rabbit, and a diabetic condition in the same species following the administration of this substance was reported by Bailey and Bailey (1943), Hard and Carr (1944) and Kennedy and Lukens (1944). The permanence of established alloxan diabetes was further suggested by the fact that Kennedy and Lukens observed the condition over long periods up to nine months. Ogilvie (1944, 1944-46), on the other hand, has shown that brief treatment of the rabbit with a crude anterior pituitary extract, while producing transitory diabetes, results in pancreatic islet enlargement to an extent which approximately doubles the amount of islet tissue. Alloxan and crude anterior pituitary extract are thus diametrically opposed in that they cause respectively obstruction and growth of the islet tissue in the rabbit. Accordingly, the idea was conceived of making rabbits severely diabetic with alloxan and then administering anterior pituitary extract with a view to alleviating the diabetic condition through the pancreotropic action of the extract.

Materials and Methods

Alloxan (100 mg. per kg. body weight) was given intravenously/

intravenously as a 5 per cent solution in sterile saline to induce a persistent diabetes. The anterior pituitary extract, prepared by the Glaxo and Organon Laboratories Ltd. after the method of Young (1938), was a crude saline product of fresh ox anterior pituitary glands, made up so that 4 c.c. were equivalent to 1 g. of gland. It was tested bacteriologically for sterility, and, although prepared at a point near freezing, was thereafter stored at room temperature. The extract was given by the subcutaneous route with precautions as to sterility.

The animals used were English rabbits. They were kept in metabolism cages and given daily 150 g. of a mixture of 40 per cent oats, 30 per cent bran and 30 per cent maize, 300 g. of cabbage, 15 g. of hay, and water ad lib. The energy value of this diet was calculated by analysing its constitution as regards carbohydrate, protein and fat and applying the usual factors 4.1 x 9.3. Daily measurements included body weight, food consumption, urinary sugar, urinary volume and, when necessary, blood sugar and urinary ketones. Blood sugar was estimated by the Hagedorn-Jensen method, urinary sugar by Cole's method and urinary ketones by the Van Slyke-Denigès method. Blood sugar estimations were usually carried out after a 12-hour fast.

Each pancreas was given double fixation in Helly-Zenker solution and cut in paraffin. Sections were stained by a modified haematoxylin and eosin method./

method. The modification consisted in the interpolation of brief treatment with potash alum between two periods of staining with eosin. This, along with double fixation, gave good differential staining of the A- and B- cells in the islets. The number of islets was estimated by observing the degree of separation of the islets, the size of the islets and the proportion of islets consisting largely or wholly of A- cells. The size of the islets was gauged by the projection technique of Ogilvie (1937) and was based on the examination of 100 unselected samples.

Six rabbits (35, 36, 37, 42, 43 and 45) were made diabetic with alloxan. Five of the diabetic animals (35, 36, 37, 42 and 45) were then given anterior pituitary extract, while the remaining rabbit (43), a litter-mate of one of the treated animals (42), was retained as an untreated control.

Results

Clinical Data.

Rabbit 35 (male : Fig. 1) had a control blood sugar of 107 mg. per cent. Given alloxan it developed a very acute diabetes with a 3- day ketonuria and settled to a blood sugar of 427 mg. per cent and glycosuria of 14 per cent* (Fig. 2). The animal then received six courses of anterior pituitary/

* This figure refers to the percentage of dietary polysaccharides excreted in the urine over a 24- hour period.

Fig. 1.

Rabbit 35.

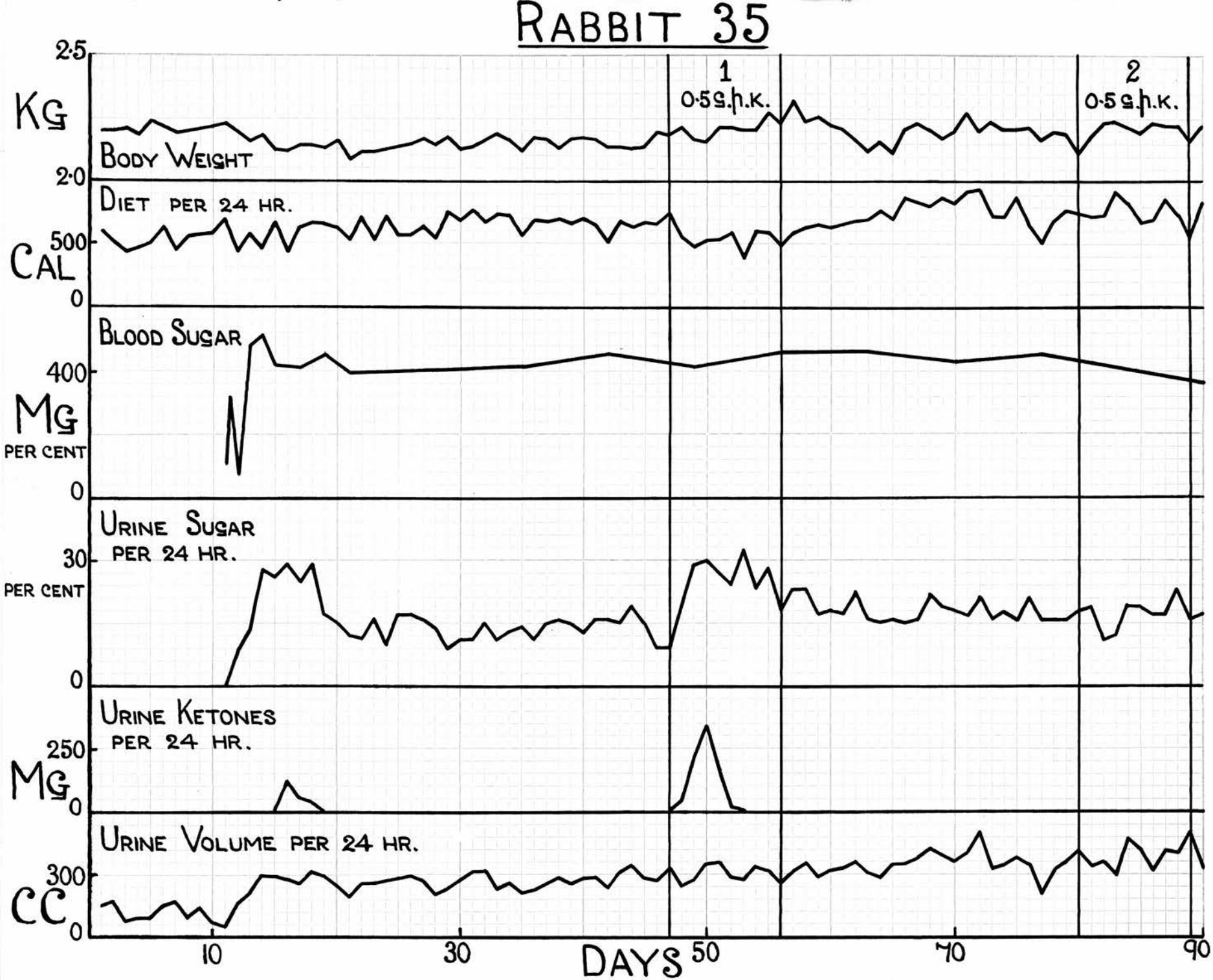
RABBIT 35
2·5
KG
2·0
BODY WEIGHT
1
0·5 G.H.K.
2
0·5 G.H.K.
DIET PER 24 HR.
500
CAL
0
BLOOD SUGAR
400
MG
PER CENT
0
URINE SUGAR
PER 24 HR.
30
PER CENT
0
URINE KETONES
PER 24 HR.
250
MG
0
URINE VOLUME PER 24 HR.
300
CC
0
10
30
DAYS
50
70
90

Figure 2.

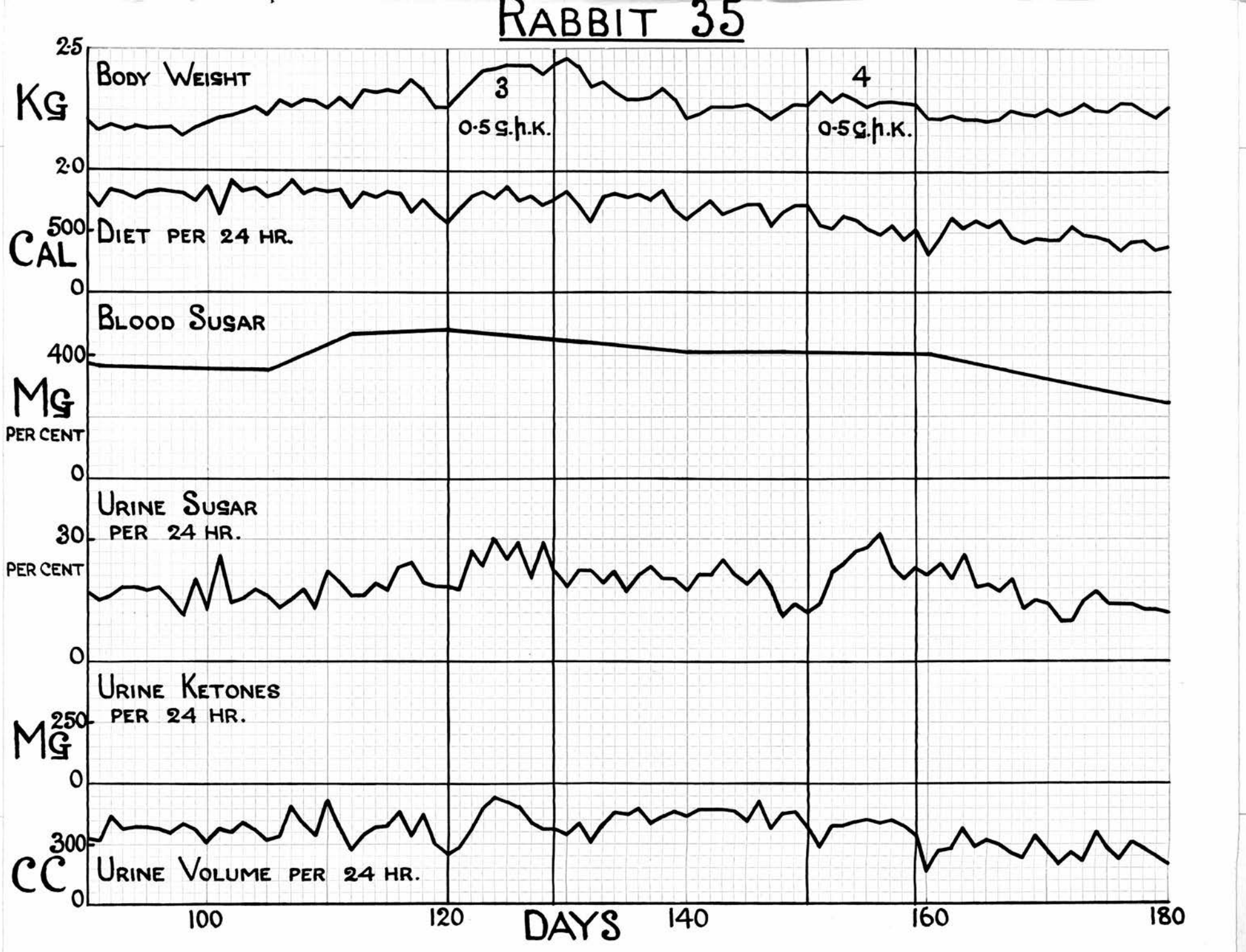
RABBIT 35
25
KG
20
BODY WEIGHT
3
0·5 G.P.K.
4
0·5 G.P.K.
500
CAL
0
DIET PER 24 HR.
BLOOD SUGAR
400
MG
PER CENT
0
URINE SUGAR
PER 24 HR.
30
PER CENT
0
URINE KETONES
PER 24 HR.
250
MG
0
300
CC
0
URINE VOLUME PER 24 HR.
100
120
DAYS
140
160
180

Figure 2.

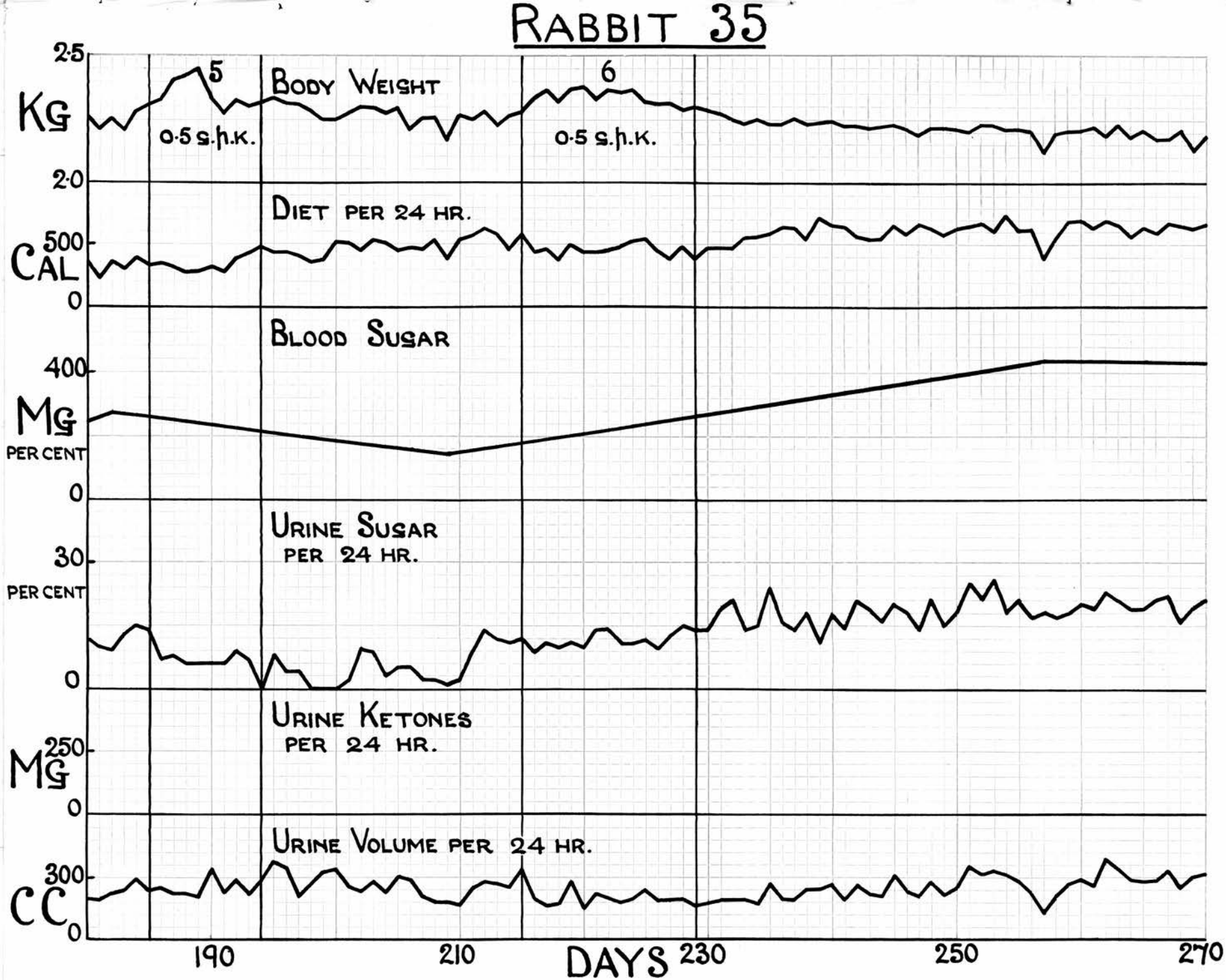
RABBIT 35
2·5
KG
2·0
5
6
BODY WEIGHT
0·5 S.P.H.K.
0·5 S.P.H.K.
DIET PER 24 HR.
500
CAL
0
BLOOD SUGAR
400
MG
PER CENT
0
URINE SUGAR
PER 24 HR.
30
PER CENT
0
URINE KETONES
PER 24 HR.
250
MG
0
URINE VOLUME PER 24 HR.
300
CC
0
190
210
DAYS
230
250
270

Figure 2.

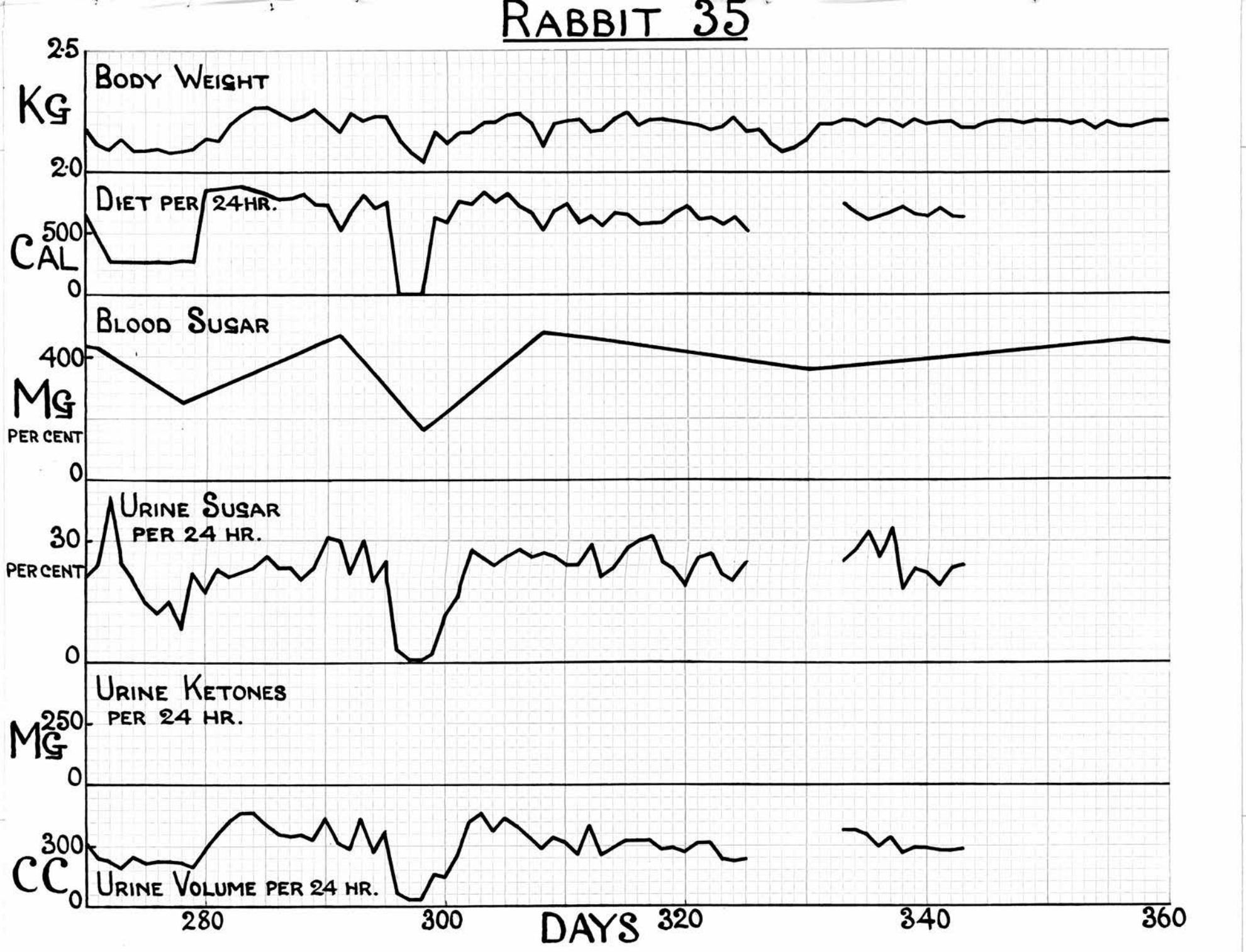
RABBIT 35
2·5
KG
2·0
BODY WEIGHT
DIET PER 24HR.
500
CAL
0
BLOOD SUGAR
400
MG
PER CENT
0
URINE SUGAR
PER 24 HR.
30
PER CENT
0
URINE KETONES
PER 24 HR.
250
MG
0
300
CC
0
URINE VOLUME PER 24 HR.
280
300
DAYS
320
340
360

Figure 2.

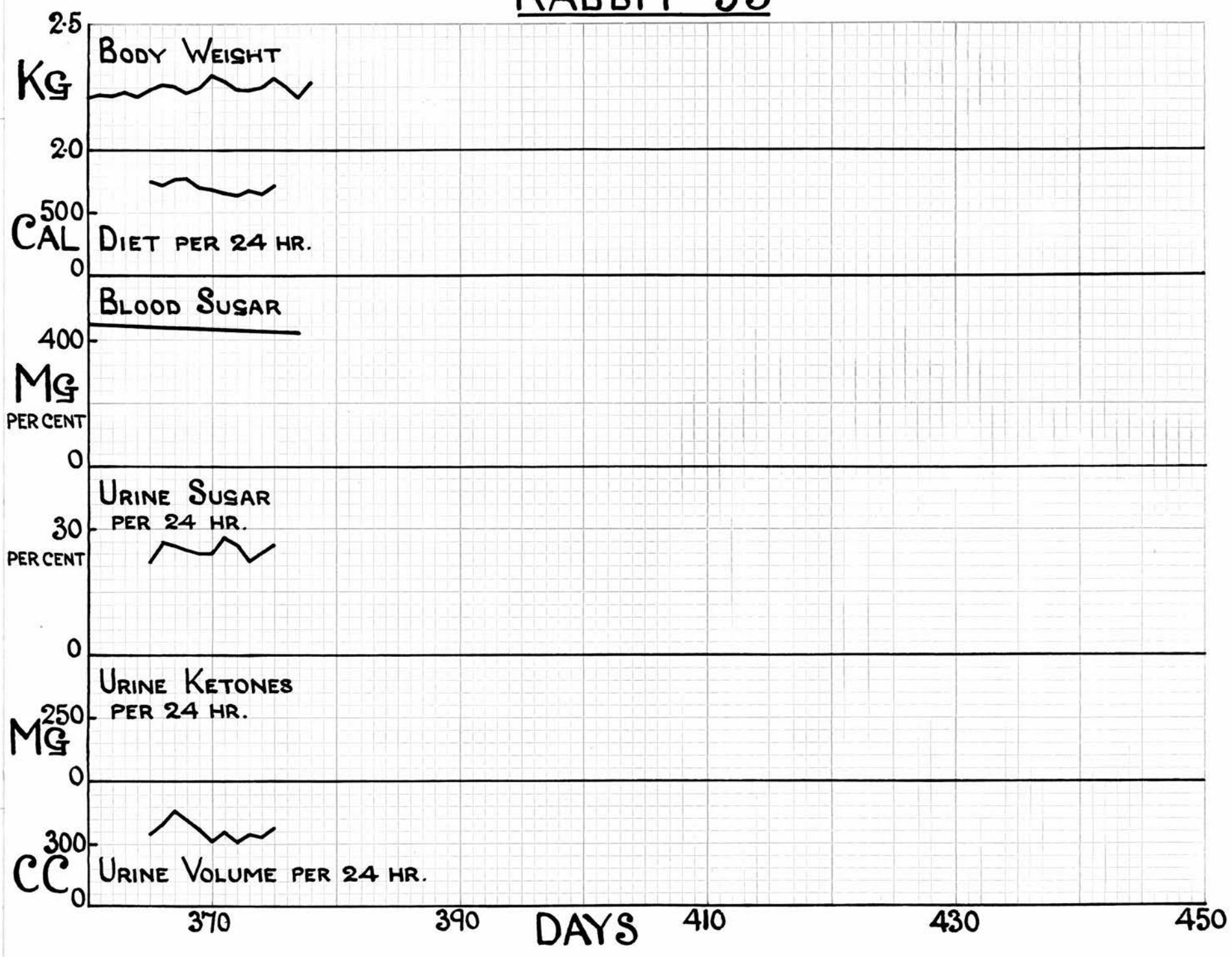
RABBIT 35
2·5
KG
2·0
BODY WEIGHT
500
CAL
0
DIET PER 24 HR.
BLOOD SUGAR
400
MG
PER CENT
0
URINE SUGAR
PER 24 HR.
30
PER CENT
0
URINE KETONES
PER 24 HR.
250
MG
0
300
CC
0
URINE VOLUME PER 24 HR.
370
390
DAYS
410
430
450

Figure 2.

pituitary extract at average intervals of 25 days. Each treatment lasted 10 - 15 days and the amount of extract given daily was equivalent to 0.5 g. of anterior pituitary gland per kg. body weight. The first, third and fourth courses incidentally increased the diabetes as indicated particularly by a 6 -day ketonuria with the first, but the second and sixth courses produced no concurrent change and the fifth was accompanied by almost complete disappearance of the glycosuria. The augmented diabetes returned to its former level on the withdrawal of treatment and remained there without improvement after the first four courses. The fifth treatment, however, was followed by a sugar-free period of 3 days with a blood sugar of about 120 mg. per cent. Thereupon the glycosuria reappeared and after again almost disappearing rose to 14 per cent. The sixth course finally led to a blood sugar of 438 mg. per cent and glycosuria of 19 per cent. The diet during the diabetes was mostly normal or increased in amount. The body weight fell with the onset of the diabetes, increased markedly as a result of treatment with extract, and ended by being slightly above normal. The urinary volume was augmented throughout practically the entire diabetes. The sugar-free period was characterised by a slightly reduced diet, an increased body weight and an augmented urinary volume due to a high proportion of green food in the diet. Post mortem the animal showed abundant subcutaneous and mesenteric fat.

Rabbit 36 (male : Fig. 3) had a normal blood sugar/

Fig. 3.

Rabbit 36 with a 24 hr. sample of its urine (left flask) and a 24 hr. sample of urine from a normal rabbit (right flask). Note pale, dilute urine of diabetic animal compared with dark, concentrated urine of normal animal.

sugar of 119 mg. per cent. After alloxan it exhibited such an acute diabetes with ketonuria and weakness as to necessitate temporary control by insulin (Fig. 4). The animal maintained a slight acetonuria on the withdrawal of insulin, but ultimately became ketone-free and recorded a blood sugar of 400 mg. per cent and glycosuria of 27 per cent. It then received five courses of extract at average intervals of 23 days. Each course lasted 10-18 days and the daily dose was uniformly equivalent to 0.5 g. of anterior lobe per kg. body weight. Every treatment temporarily increased the severity of the existing diabetes. This was indicated by the reappearance of ketonuria during the first four courses with or without an exaggerated glycosuria, whereas an increased urinary sugar was all that characterised the last treatment. The five courses of extract, while followed in each case by minor fluctuations, ultimately ended in a condition with a blood sugar of 497 mg. per cent and glycosuria of 26 per cent. The diet during the diabetes varied between a normal and moderately increased amount. The body weight fell markedly at the beginning of the diabetic condition, rose temporarily with each course of extract, and finished at its pre-treatment level. The urinary volume was more or less markedly increased throughout the diabetes. Finally, dissection revealed a fair degree of nourishment.

Rabbit 37 (male : Fig. 5) had a normal blood sugar/

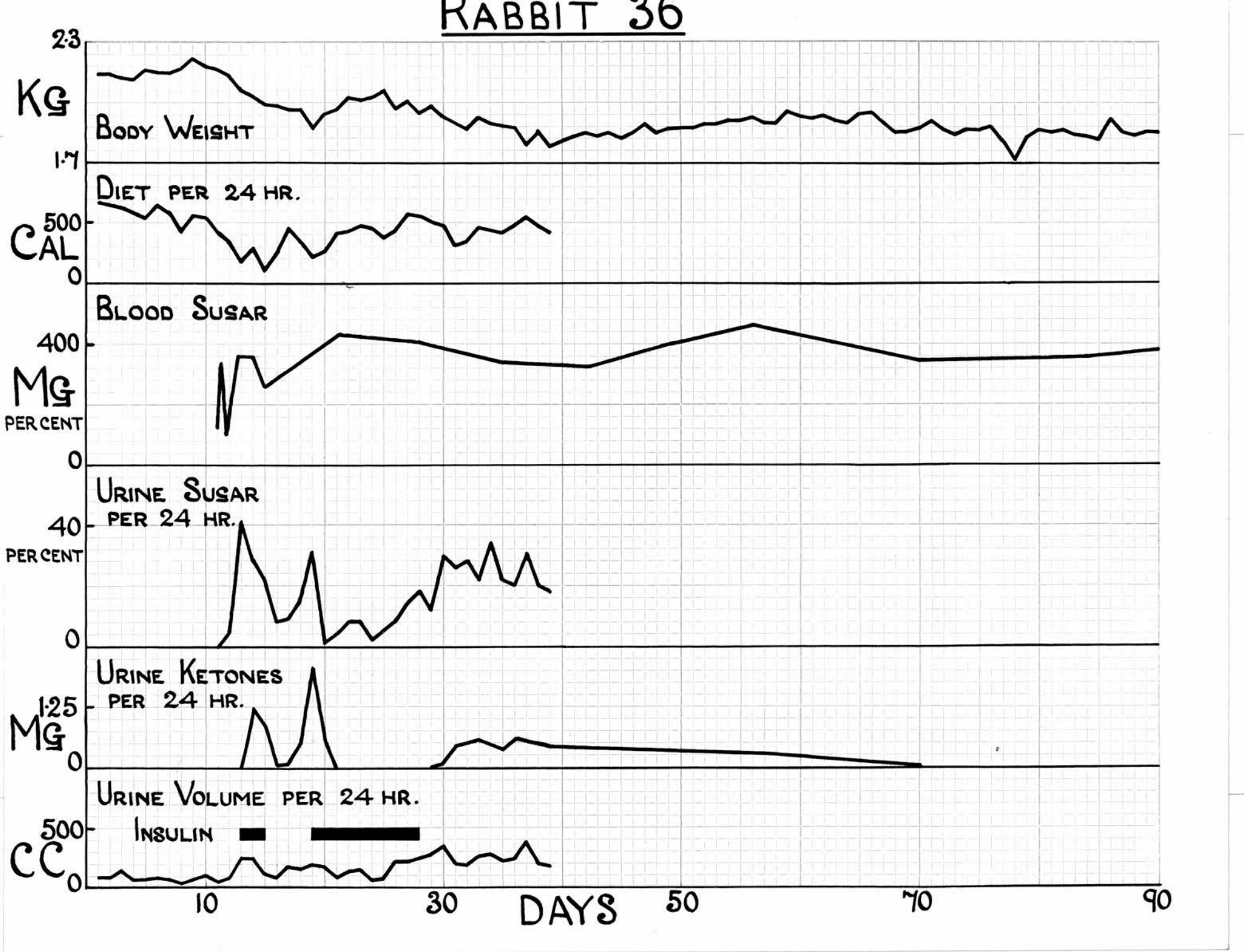
RABBIT 36
2·3
KG
1·7
BODY WEIGHT
DIET PER 24 HR.
500
CAL
0
BLOOD SUGAR
400
MG
PER CENT
0
URINE SUGAR
PER 24 HR.
40
PER CENT
0
URINE KETONES
PER 24 HR.
1·25
MG
0
URINE VOLUME PER 24 HR.
INSULIN
500
CC
0
10
30
DAYS
50
70
90

Figure 4.

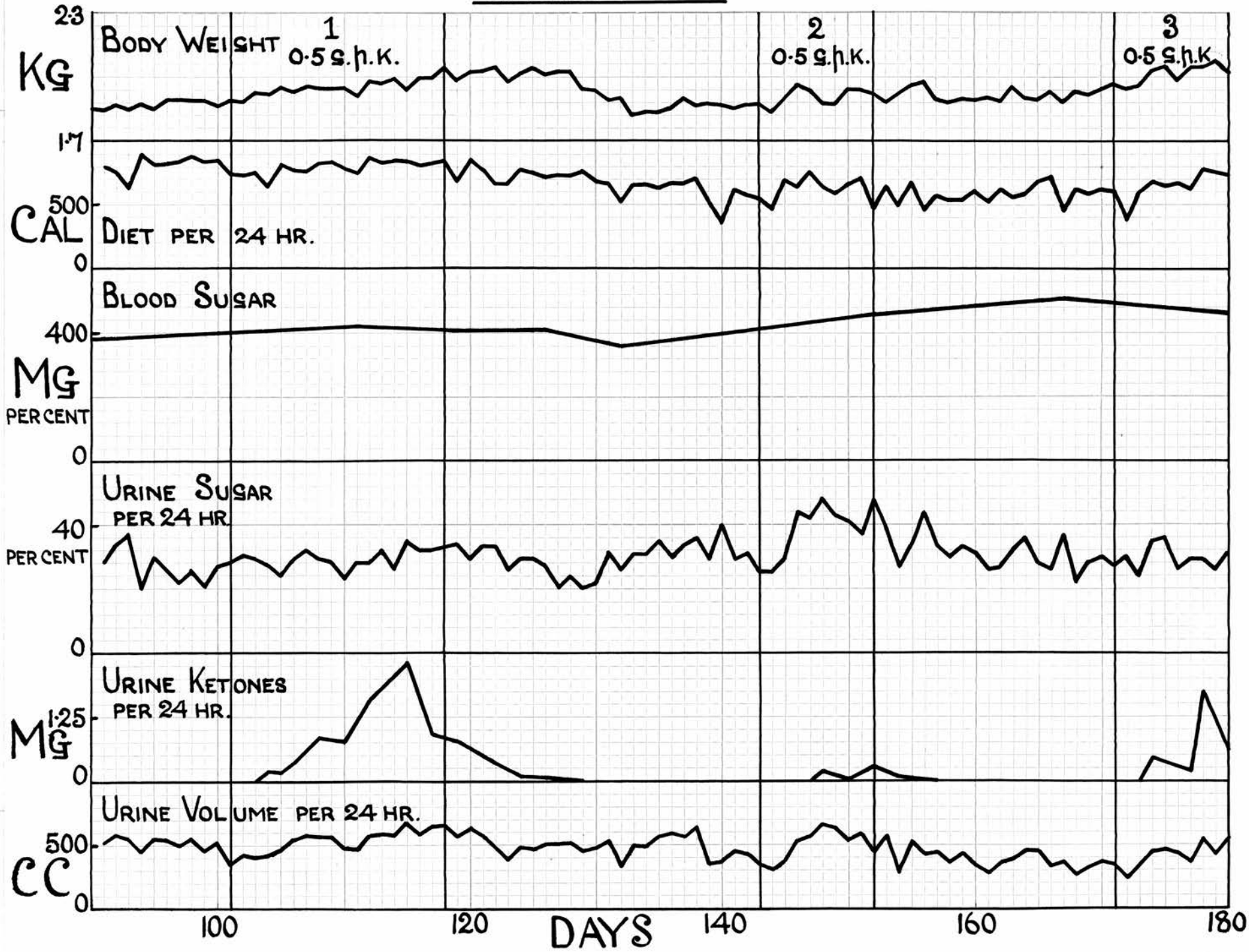
RABBIT 36
BODY WEIGHT
1
0.5 S.H.K.
2
0.5 S.H.K.
3
0.5 S.H.K.
KG
23
1.7
CAL
500
0
DIET PER 24 HR.
BLOOD SUGAR
400
MG
PER CENT
0
URINE SUGAR
PER 24 HR.
40
PER CENT
0
URINE KETONES
PER 24 HR.
MG
1.25
0
URINE VOLUME PER 24 HR.
CC
500
0
100
120
DAYS
140
160
180

Figure 4.

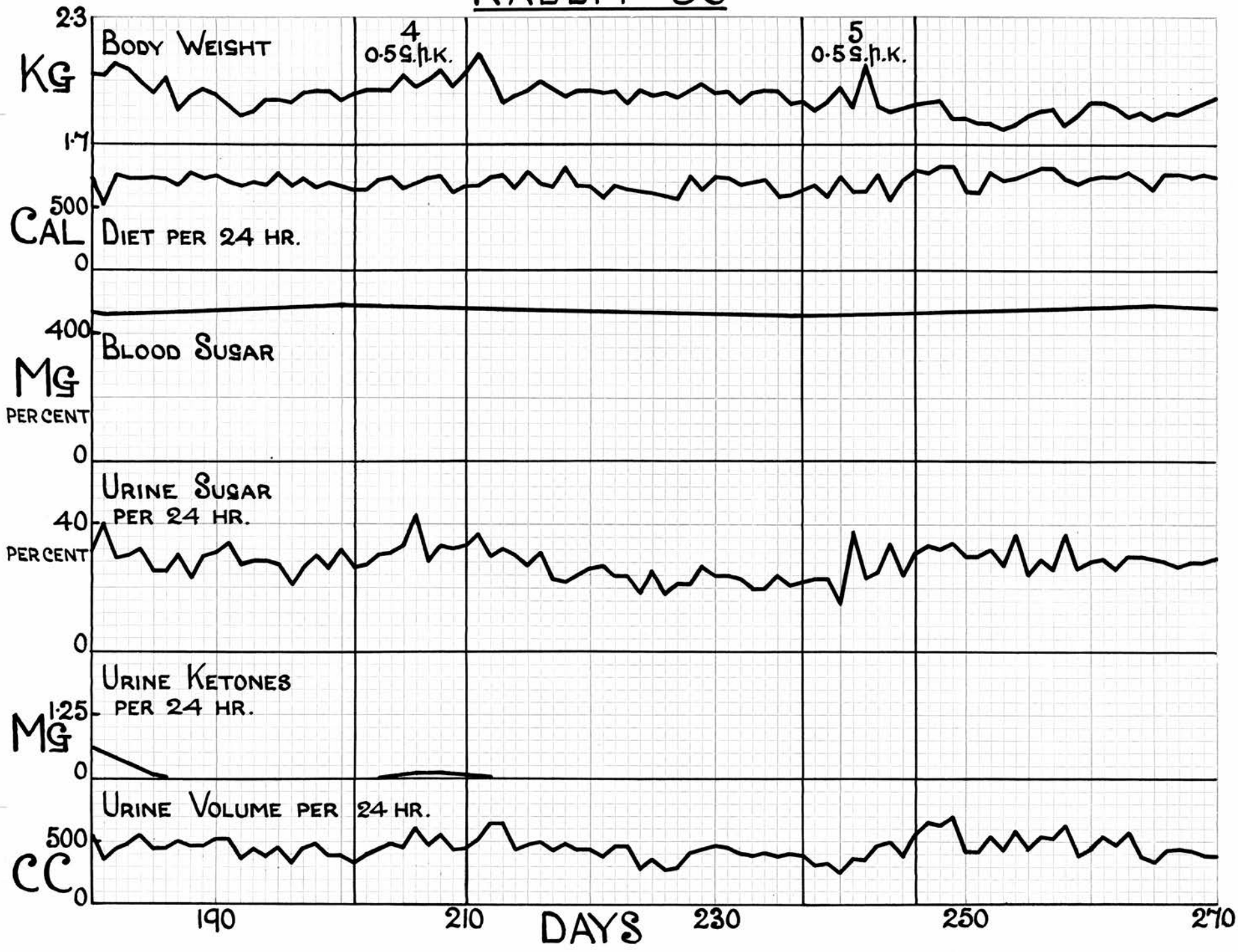
RABBIT 36
2·3
KG
1·7
BODY WEIGHT
4
0·5 G.H.K.
5
0·5 G.H.K.
500
CAL
0
DIET PER 24 HR.
400
MG
PER CENT
0
BLOOD SUGAR
URINE SUGAR
PER 24 HR.
40
PER CENT
0
URINE KETONES
PER 24 HR.
1·25
MG
0
URINE VOLUME PER 24 HR.
500
CC
0
190
210
DAYS
230
250
270

Figure 4.

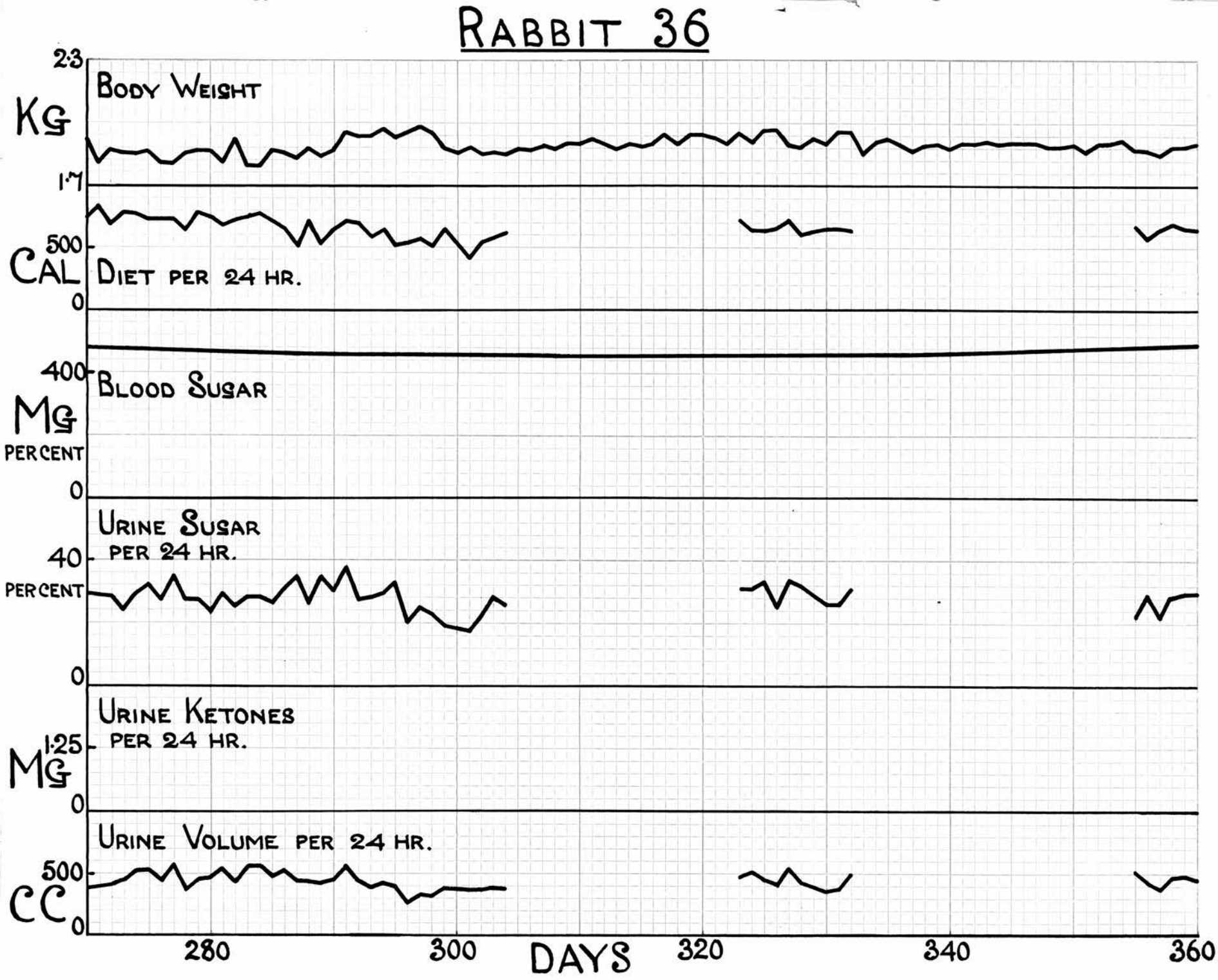
RABBIT 36
2·3
KG
BODY WEIGHT
1·7
500
CAL
DIET PER 24 HR.
0
400
MG
PERCENT
BLOOD SUGAR
0
URINE SUGAR
PER 24 HR.
40
PERCENT
0
URINE KETONES
PER 24 HR.
1·25
MG
0
URINE VOLUME PER 24 HR.
500
CC
0
280
300
DAYS
320
340
360

Figure 4.

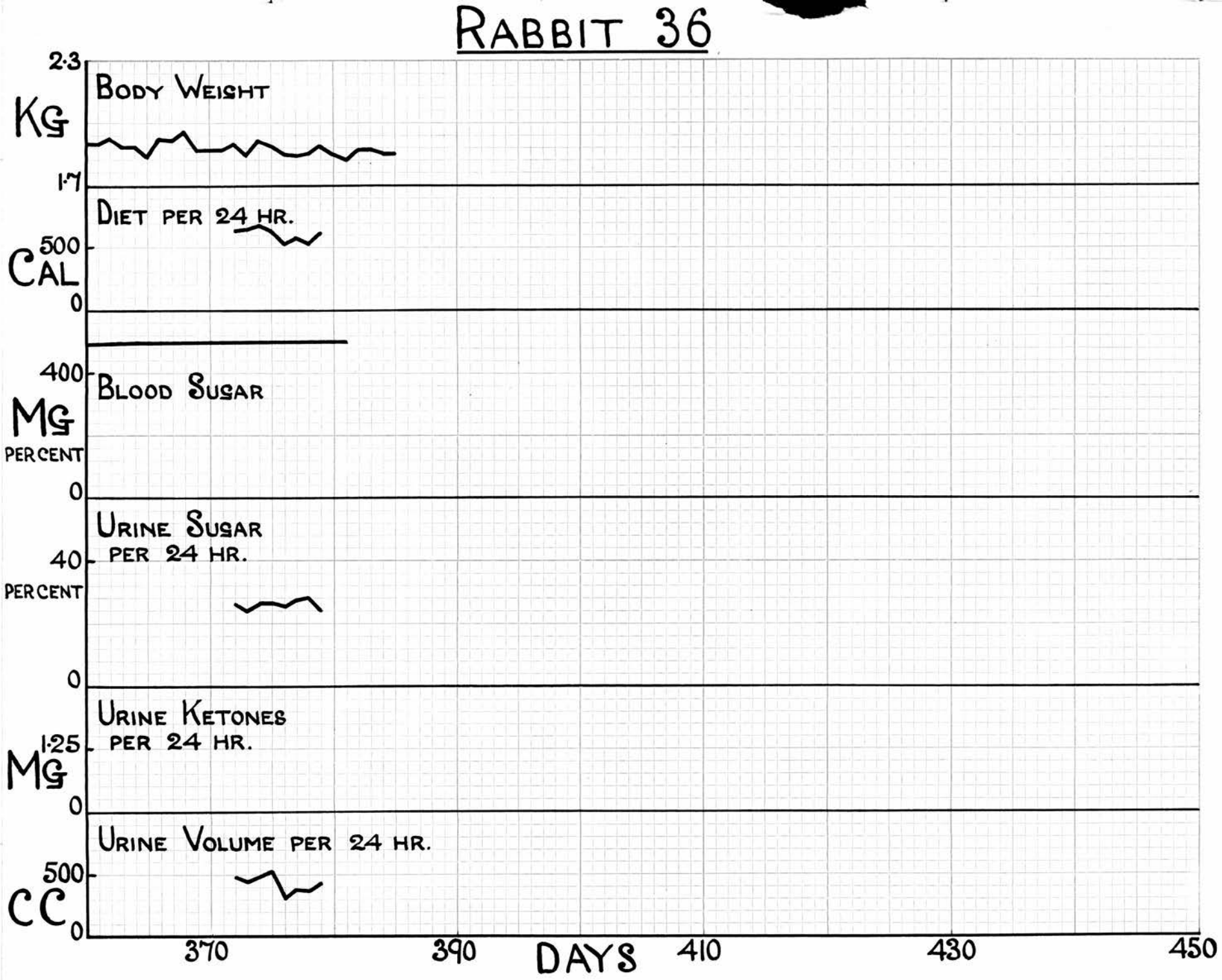
RABBIT 36
2·3
KG
1·7
BODY WEIGHT
DIET PER 24 HR.
500
CAL
0
400
MG
PERCENT
0
BLOOD SUGAR
URINE SUGAR
PER 24 HR.
40
PERCENT
0
URINE KETONES
PER 24 HR.
1·25
MG
0
URINE VOLUME PER 24 HR.
500
CC
0
370
390
DAYS
410
430
450

Figure 4.

sugar of 146 mg. per cent. Given alloxan it developed a severe diabetes which settled to a blood sugar of 400 mg. per cent and glycosuria of 21 per cent (Fig. 6). The animal then received five courses of extract at average intervals of 22 days. These treatments were each of 12 days' duration and consisted in the daily administration of 0.5 g. of anterior lobe per kg. body weight. During their administration the first, second and fourth courses caused a sharp rise in the glycosuria without any ketonuria, while the third and fifth treatments effected respectively no increase and only a slight rise in the urinary sugar. The initial course had no subsequent influence on the diabetes. The second and third treatments, however, combined towards an improvement and ultimately induced a blood sugar of 154 mg. per cent and glycosuria of 1 per cent. Conversely, the fourth and fifth courses were followed by a blood sugar of 373 mg. per cent and glycosuria of 26 per cent. The diet during the diabetes, while fluctuating above and below the normal, was mostly within control range. The body weight fell sharply at the onset of the diabetes, rose with each course of extract, and ended by being normal. The urinary volume apart from the time of the diminished glycosuria was increased throughout the diabetes. The reduction of the glycosuria to 1 per cent was accompanied by a normal condition as regards diet, body weight and urinary volume. Post mortem the rabbit showed only scanty fat/

Fig. 5.

Rabbit 37. One ear is turned over due to venous thrombosis and sloughing of tissue following injection of alloxan.

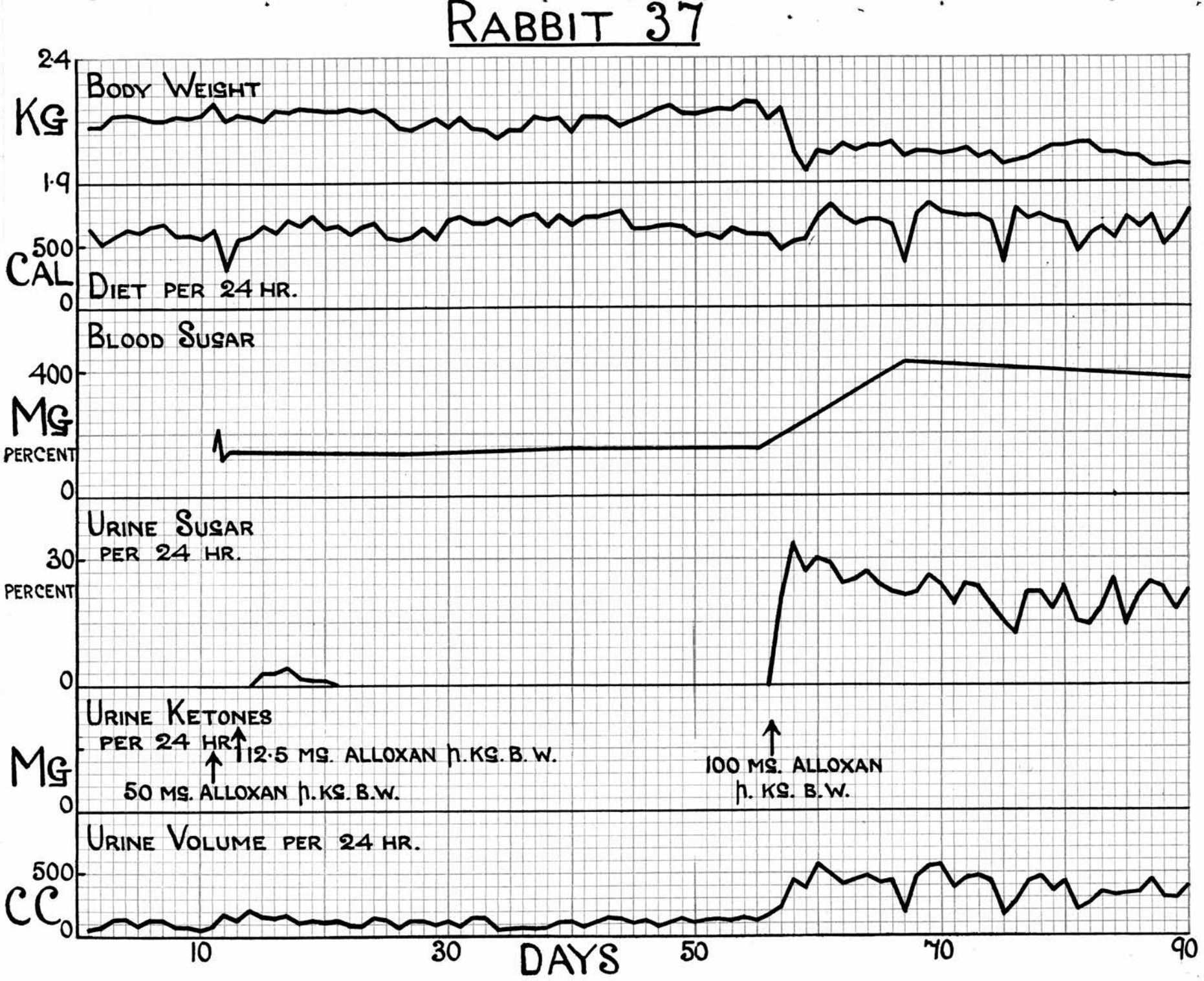
RABBIT 37
2·4
KG
1·9
BODY WEIGHT
500
CAL
0
DIET PER 24 HR.
BLOOD SUGAR
400
MG
PERCENT
0
URINE SUGAR
PER 24 HR.
30
PERCENT
0
URINE KETONES
PER 24 HR.
MG
0
12·5 MG. ALLOXAN h. KG. B. W.
50 MG. ALLOXAN h. KG. B.W.
100 MG. ALLOXAN
h. KG. B.W.
URINE VOLUME PER 24 HR.
500
CC
0
10
30
DAYS
50
70
90

Figure 6.

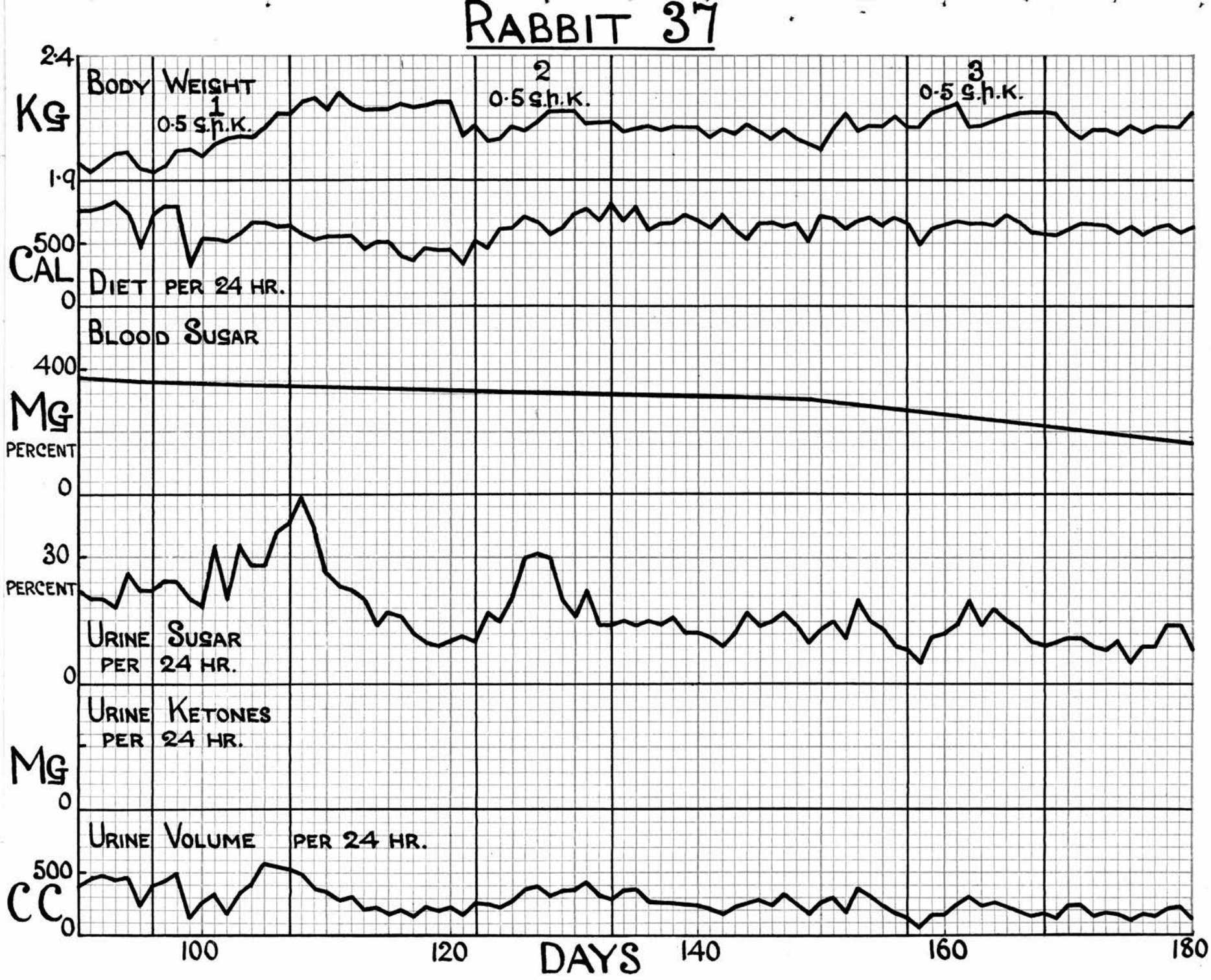
RABBIT 37
2·4
KG
1·9
BODY WEIGHT
1
0·5 S.P.H.K.
2
0·5 S.P.H.K.
3
0·5 S.P.H.K.
500
CAL
0
DIET PER 24 HR.
BLOOD SUGAR
400
MG
PERCENT
0
30
PERCENT
URINE SUGAR
PER 24 HR.
0
URINE KETONES
PER 24 HR.
MG
0
URINE VOLUME PER 24 HR.
500
CC
0
100
120
DAYS
140
160
180

Figure 6.

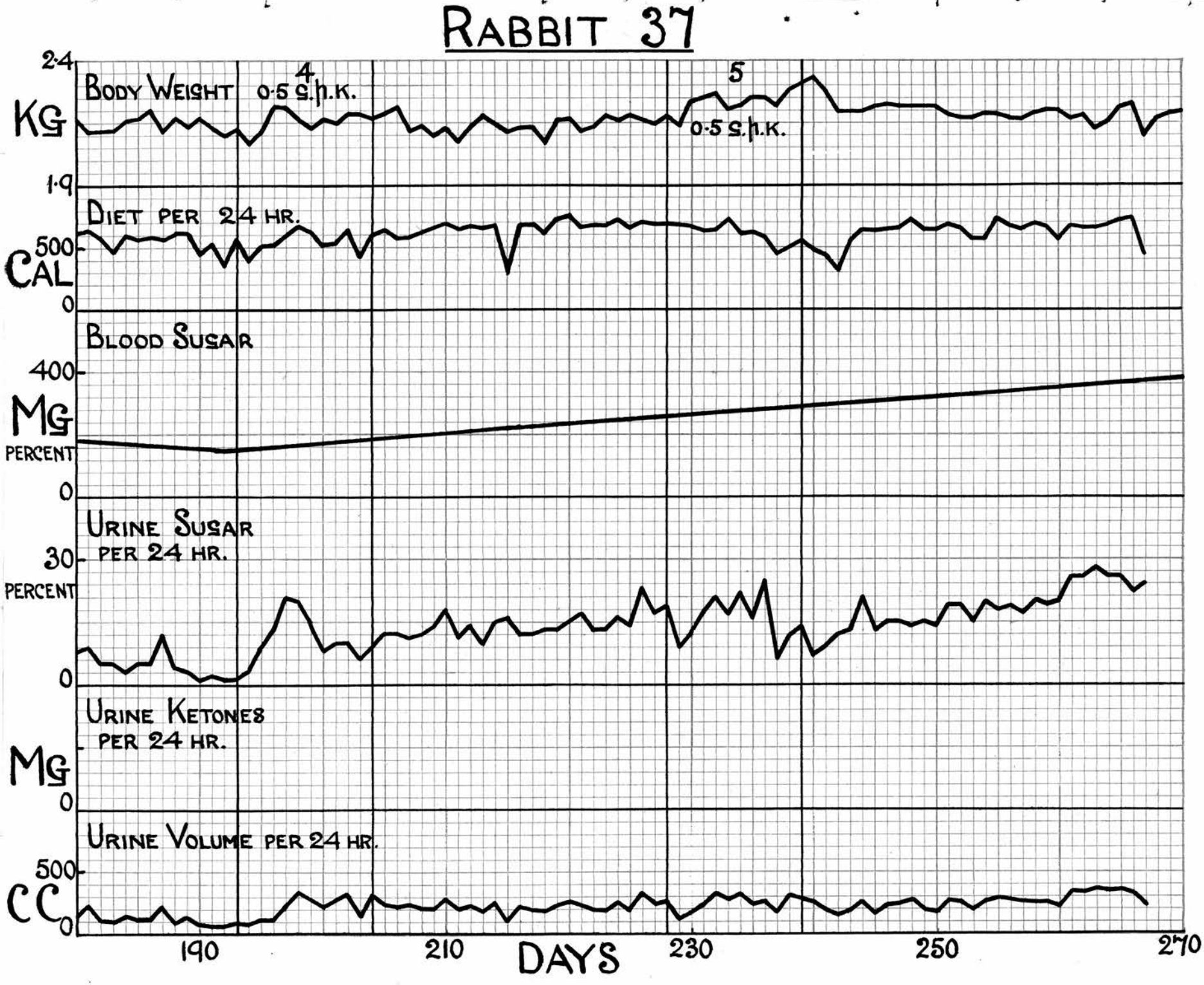
RABBIT 37
2·4
KG
1·9
BODY WEIGHT
4
0·5 S.H.K.
5
0·5 S.H.K.
DIET PER 24 HR.
500
CAL
0
BLOOD SUGAR
400
MG
PERCENT
0
URINE SUGAR
PER 24 HR.
30
PERCENT
0
URINE KETONES
PER 24 HR.
MG
0
URINE VOLUME PER 24 HR.
500
CC
0
190
210
DAYS
230
250
270

Figure 6.

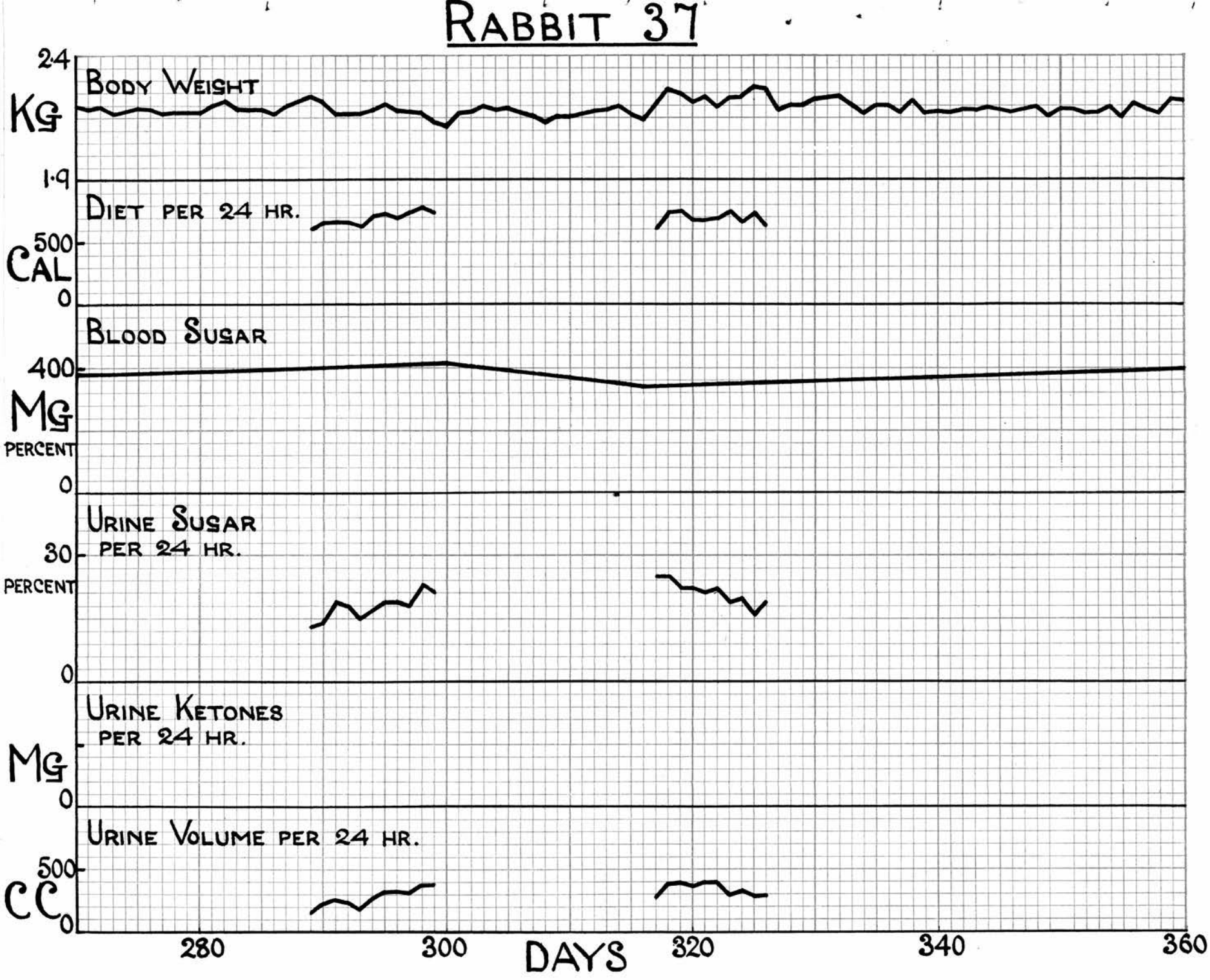
RABBIT 37
BODY WEIGHT
2·4
KG
1·9
DIET PER 24 HR.
500
CAL
0
BLOOD SUGAR
400
MG
PERCENT
0
URINE SUGAR
PER 24 HR.
30
PERCENT
0
URINE KETONES
PER 24 HR.
MG
0
URINE VOLUME PER 24 HR.
500
CC
0
280
300
DAYS
320
340
360

Figure 6.

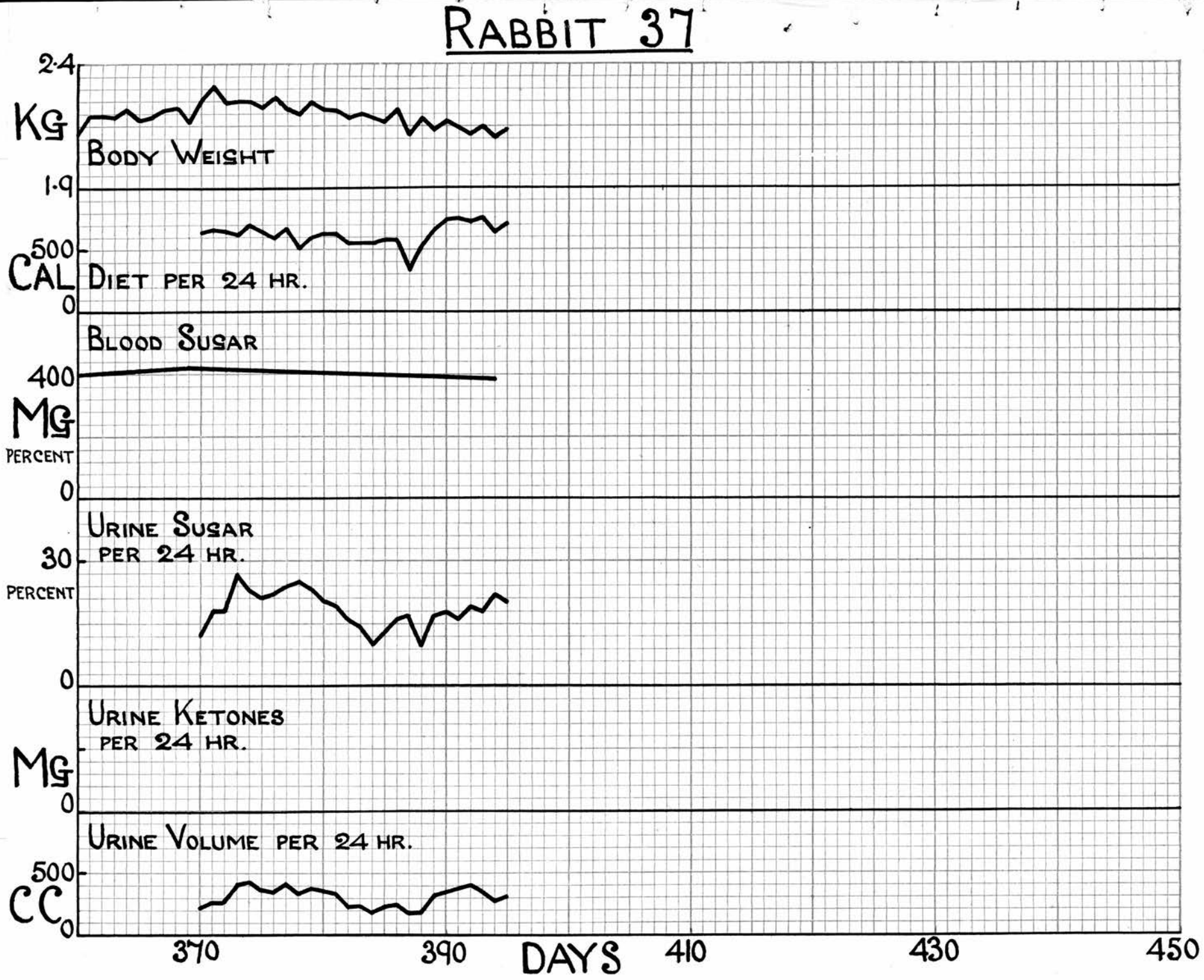
RABBIT 37
2·4
KG
BODY WEIGHT
1·9
500
CAL
DIET PER 24 HR.
0
BLOOD SUGAR
400
MG
PERCENT
0
URINE SUGAR
PER 24 HR.
30
PERCENT
0
URINE KETONES
PER 24 HR.
MG
0
URINE VOLUME PER 24 HR.
500
CC
0
370
390
DAYS
410
430
450

Figure 6.

fat in the subcutaneous and mesenteric regions.

Rabbit 42 (female : Fig. 7) had a normal blood sugar of 167 mg. per cent and after alloxan developed a blood sugar of 420 mg. per cent and glycosuria of 26 per cent (Fig. 8). It then received five courses of extract beginning on the 30th, 59th, 87th, 123rd. and 309th days. Each treatment lasted 10 days except the fourth which was for 3 days only and the daily dose of anterior lobe varied between 0.125 g. and 0.5 g. per kg. body weight. Each of the five courses brought about an incidental exaggeration of the diabetes as indicated by a sharply augmented glycosuria and relative to the first treatment an 8-day ketonuria. The first course was not followed by any improvement in the diabetes, but a moderate alleviation of the condition was manifest after the second treatment. This improvement became rapidly more pronounced after the third course and resulted on the 120th day in a blood sugar of 172 mg. per cent and no glycosuria. The glycosuria, however, reappeared on the 121st day and, after a tentative fourth course, slowly increased with the blood sugar to 22 per cent on the 278th day. The fifth course finally led to a blood sugar of 350 mg. per cent and glycosuria of 30 per cent. The diet during the diabetic period varied between slightly above and below the normal and was for the most part slightly less than that of untreated litter-mate rabbit 43. The body weight declined with the onset of/

Fig. 7.

Rabbit 42 (left) and Rabbit 43 (right).

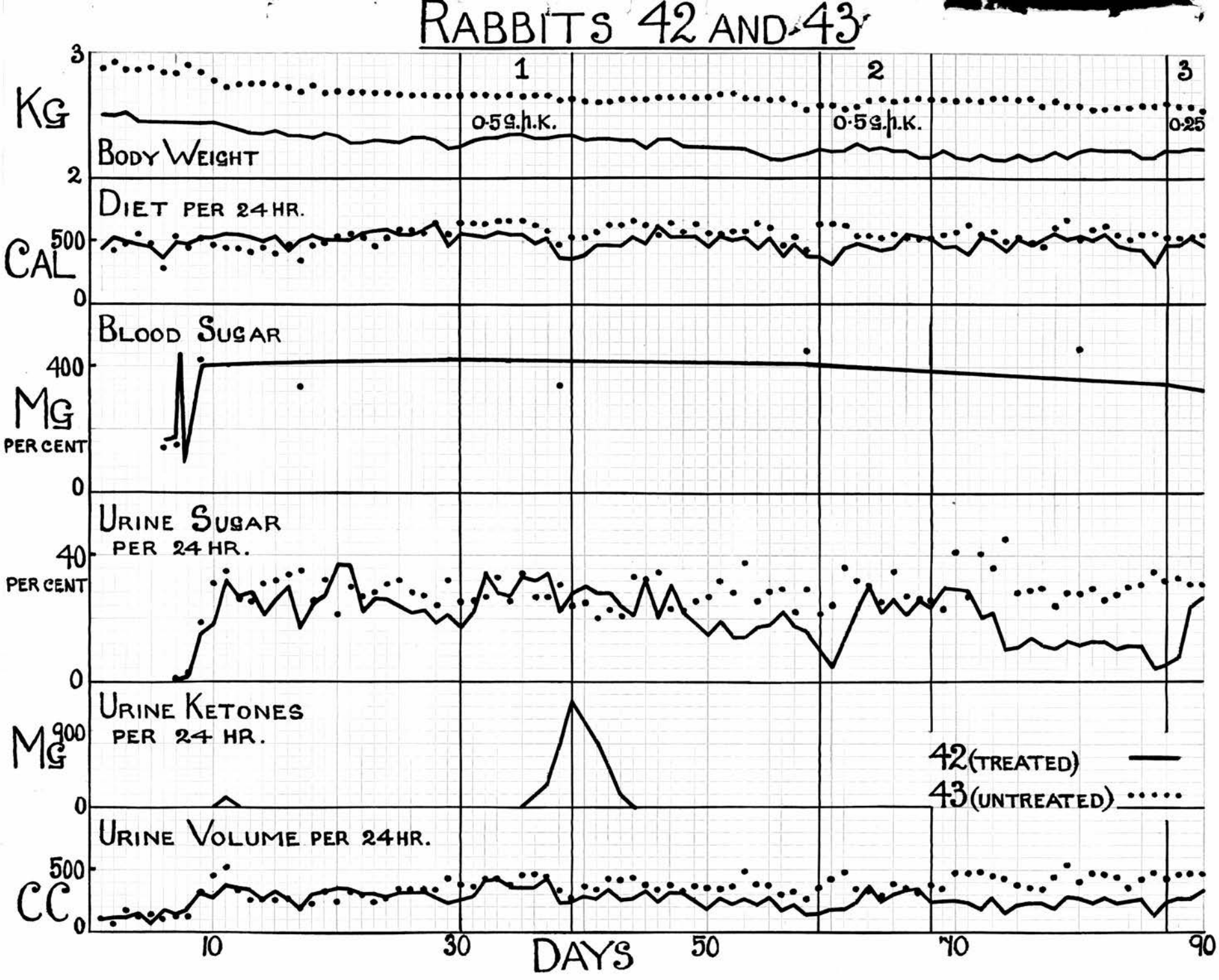
RABBITS 42 AND 43
1
2
3
KG
3
2
BODY WEIGHT
0·5 g.h.k.
0·5 g.h.k.
0·25
DIET PER 24 HR.
CAL
500
0
BLOOD SUGAR
400
MG
PER CENT
0
URINE SUGAR
PER 24 HR.
40
PER CENT
0
URINE KETONES
PER 24 HR.
MG
900
0
42 (TREATED)
43 (UNTREATED)
URINE VOLUME PER 24 HR.
500
CC
0
10
30
DAYS
50
70
90

Figure 8.

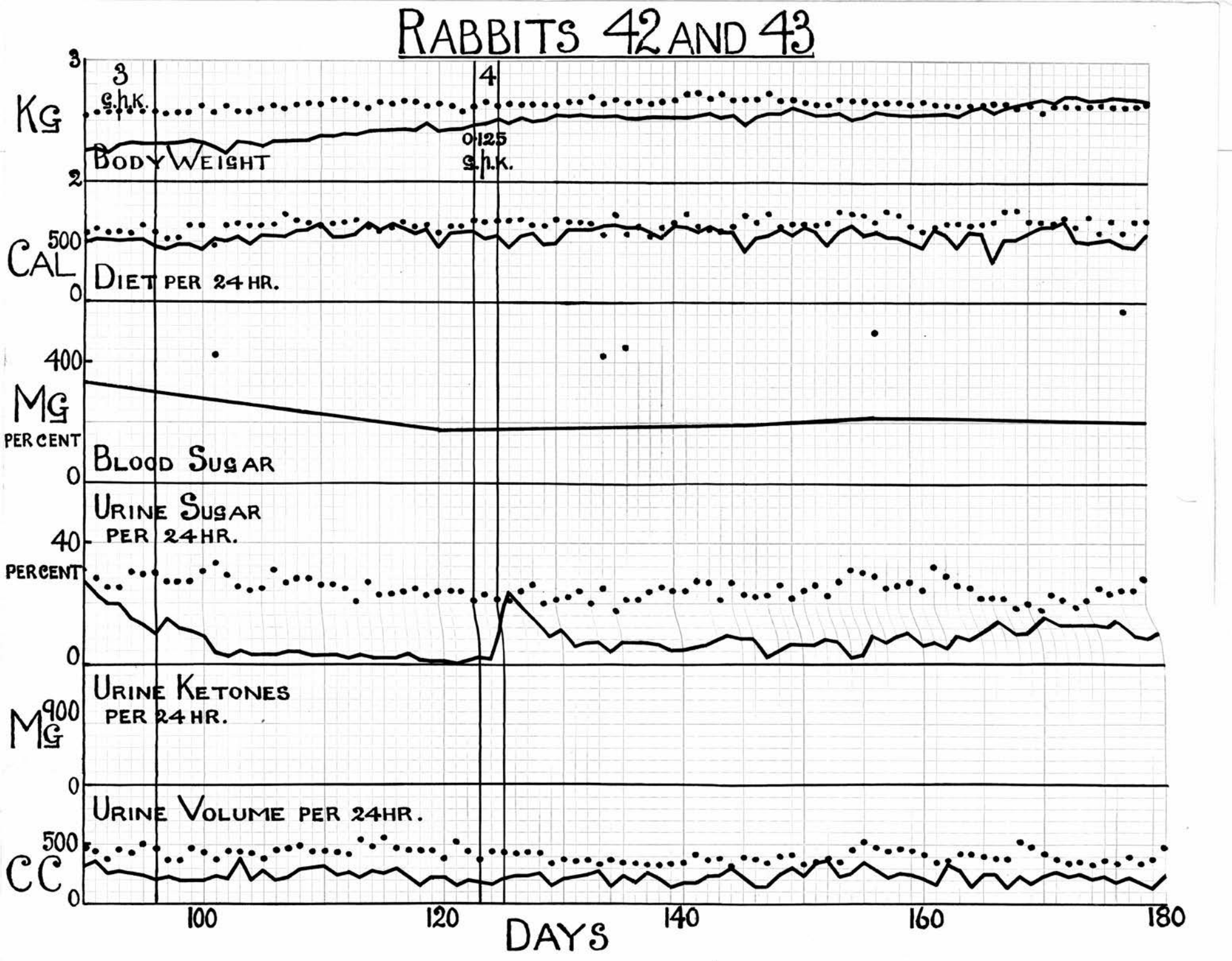
RABBITS 42 AND 43
3
KG
2
3
c.h.k.
4
0·125
c.h.k.
BODY WEIGHT
500
CAL
0
DIET PER 24 HR.
400
MG
PER CENT
0
BLOOD SUGAR
URINE SUGAR
PER 24 HR.
40
PERCENT
0
URINE KETONES
PER 24 HR.
900
MG
0
URINE VOLUME PER 24 HR.
500
CC
0
100
120
140
160
180
DAYS

Figure 8.

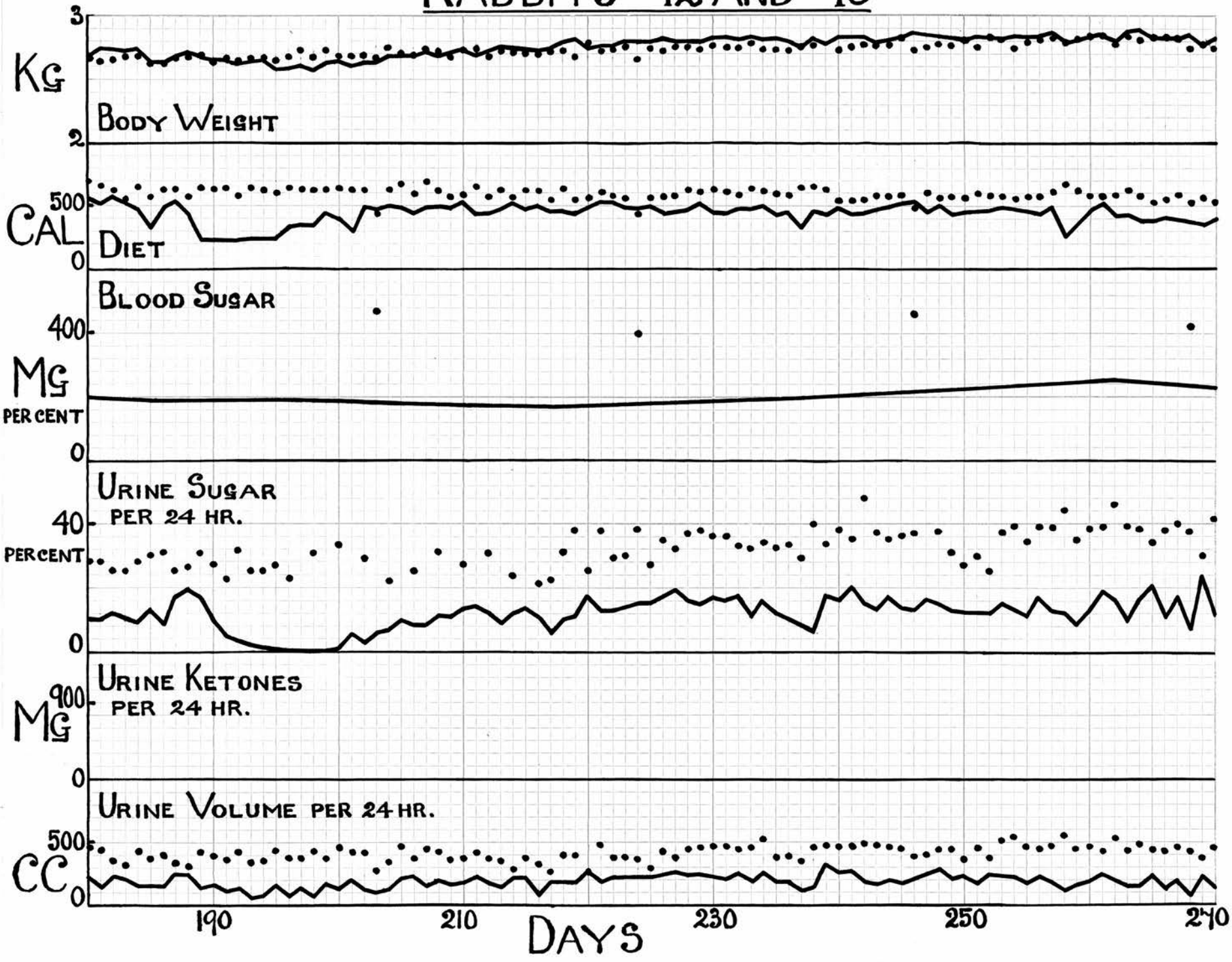
RABBITS 42 AND 43
3
KG
BODY WEIGHT
2
500
CAL
DIET
0
BLOOD SUGAR
400
MG
PER CENT
0
URINE SUGAR
PER 24 HR.
40
PERCENT
0
URINE KETONES
PER 24 HR.
900
MG
0
URINE VOLUME PER 24 HR.
500
CC
0
190
210
230
250
270
DAYS

Figure 8.

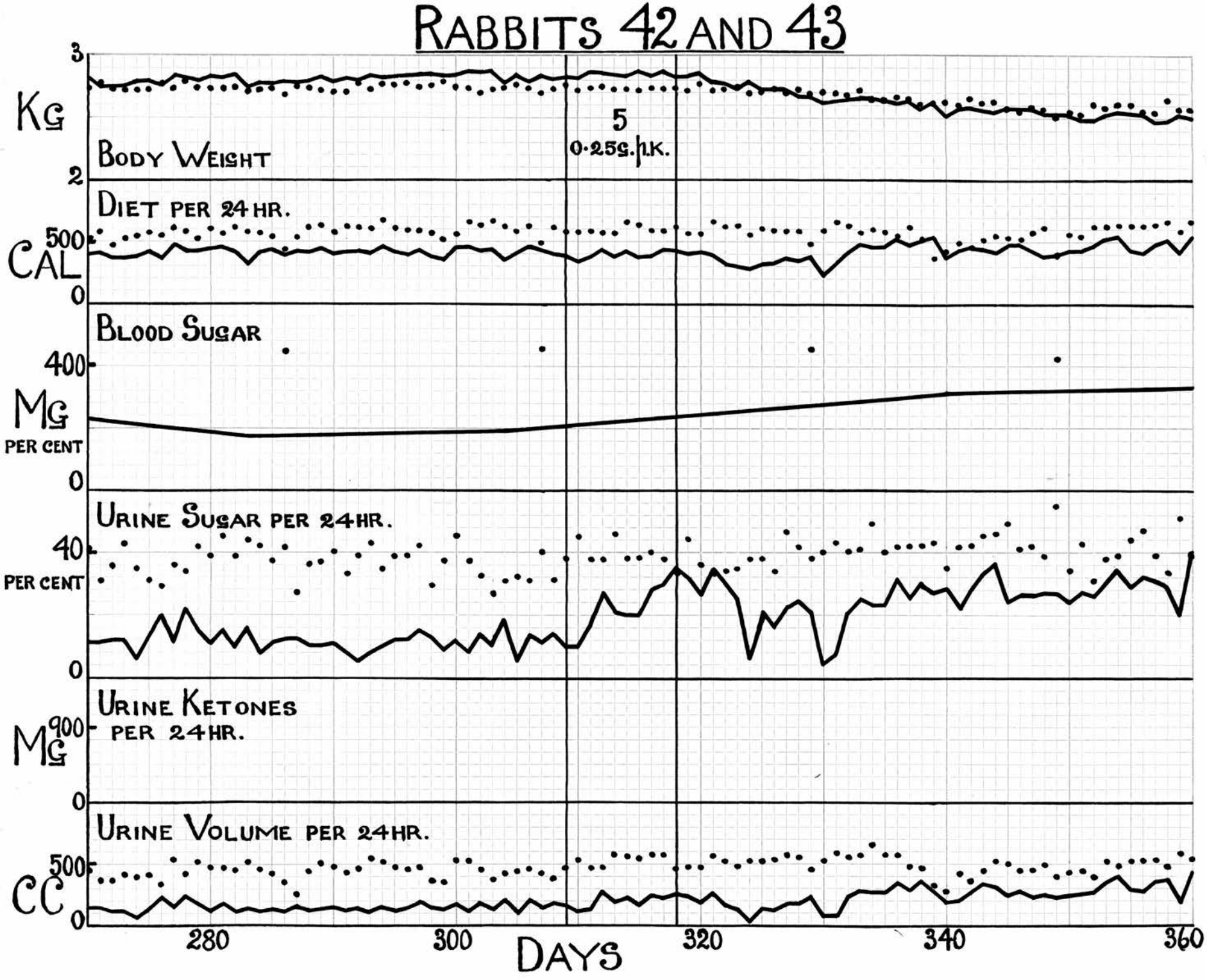
RABBITS 42 AND 43
3
KG
2
BODY WEIGHT
5
0.25G./K.
DIET PER 24 HR.
500
CAL
0
BLOOD SUGAR
400
MG
PER CENT
0
URINE SUGAR PER 24HR.
40
PER CENT
0
URINE KETONES
PER 24HR.
900
MG
0
URINE VOLUME PER 24HR.
500
CC
0
280
300
320
340
360
DAYS

Figure 8.

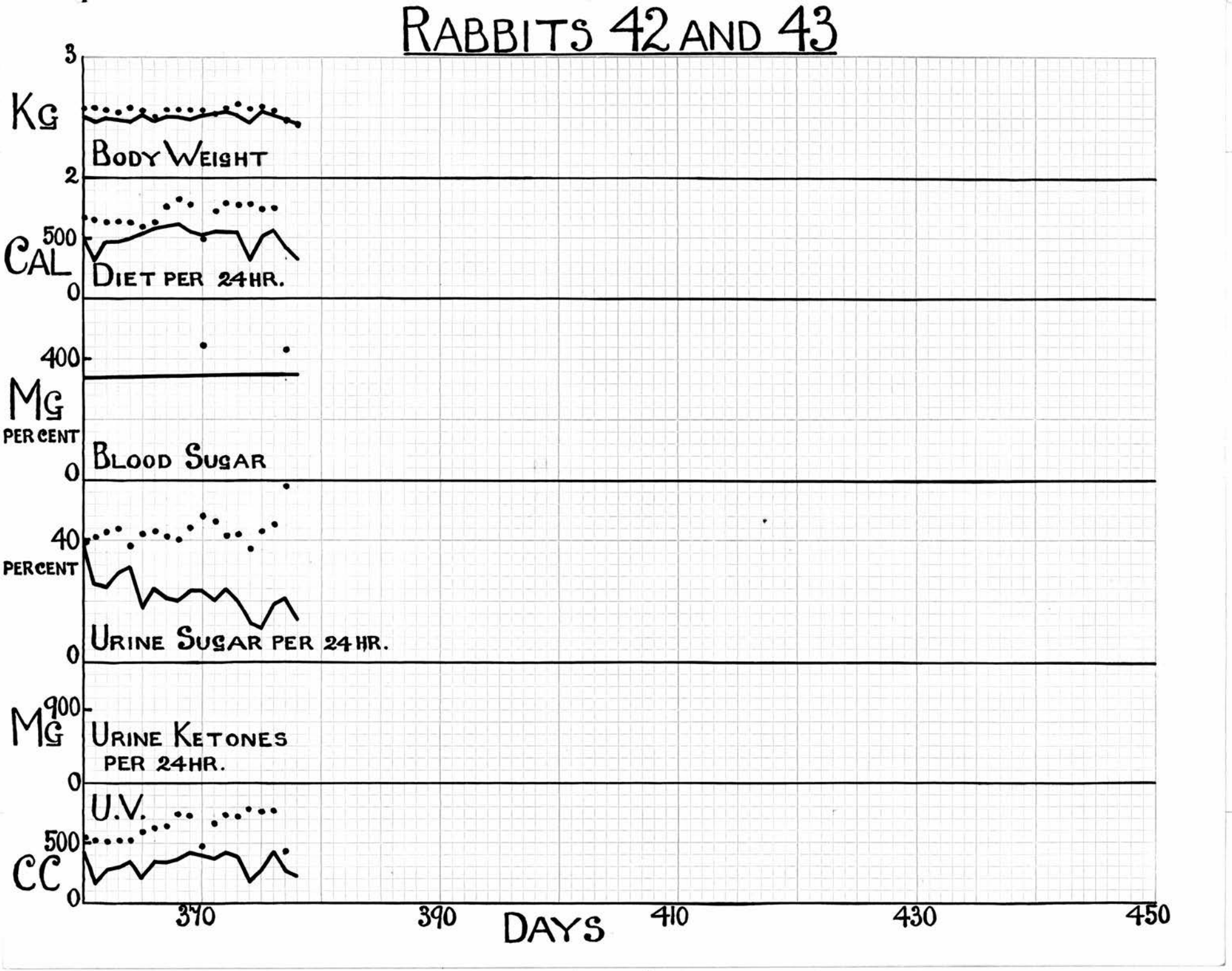
RABBITS 42 AND 43
3
KG
BODY WEIGHT
2
500
CAL
DIET PER 24HR.
0
400
MG
PER CENT
BLOOD SUGAR
0
40
PERCENT
URINE SUGAR PER 24 HR.
0
900
MG
URINE KETONES
PER 24HR.
0
U.V.
500
CC
0
370
390
DAYS
410
430
450

Figure 8.

of the glycosuria, remained subnormal for a space, rose steadily between the second and fifth courses to much above the normal, and finally fell after the fifth treatment to end at its pre-alloxan level. Approaching the fifth treatment rabbit 42 actually exceeded rabbit 43 in weight, although rabbit 43 was originally the heavier animal. The urinary volume of rabbit 42 in the early days of the diabetes was as increased as that of rabbit 43, but after the first treatment pursued a less polyuric course than that of rabbit 43 and was indeed normal at times. The sugar-free period on the 120th day was accompanied by a normal condition as regards diet, body weight and urinary volume. Post mortem the animal was well nourished as shown by abundant abdominal fat.

Rabbit 45 (male : Fig. 9) had a normal blood sugar of 139 mg. per cent. Given alloxan it showed an initial acute diabetes with ketonuria and settled to a blood sugar of 453 mg. per cent and glycosuria of 28 per cent (Fig. 10). The animal then received twelve courses of extract at intervals of 10-70 days, averaging 30 days. Each treatment lasted 10-20 days and the daily amount of anterior lobe varied between 0.125 g. and 0.75 g. per kg. body weight. The twelve courses were divisible into two groups according to whether they incidentally had no influence upon or aggravated the disease. The first treatment had no subsequent effect on the diabetes, but the condition was afterwards modified

by/

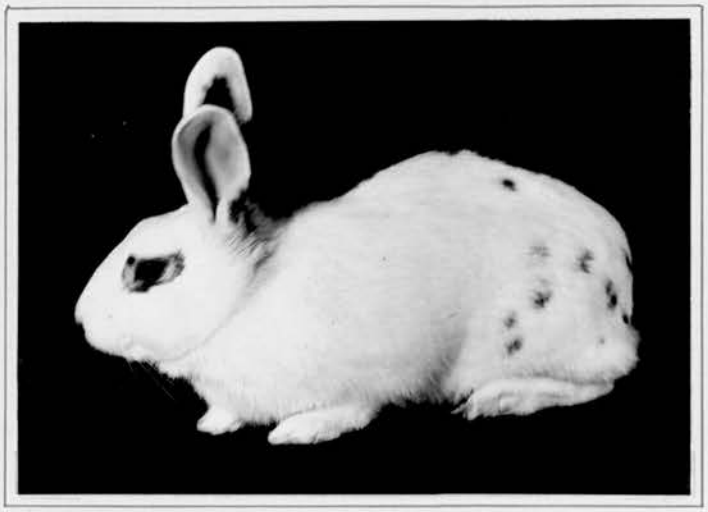

Fig.9.

Rabbit 45.

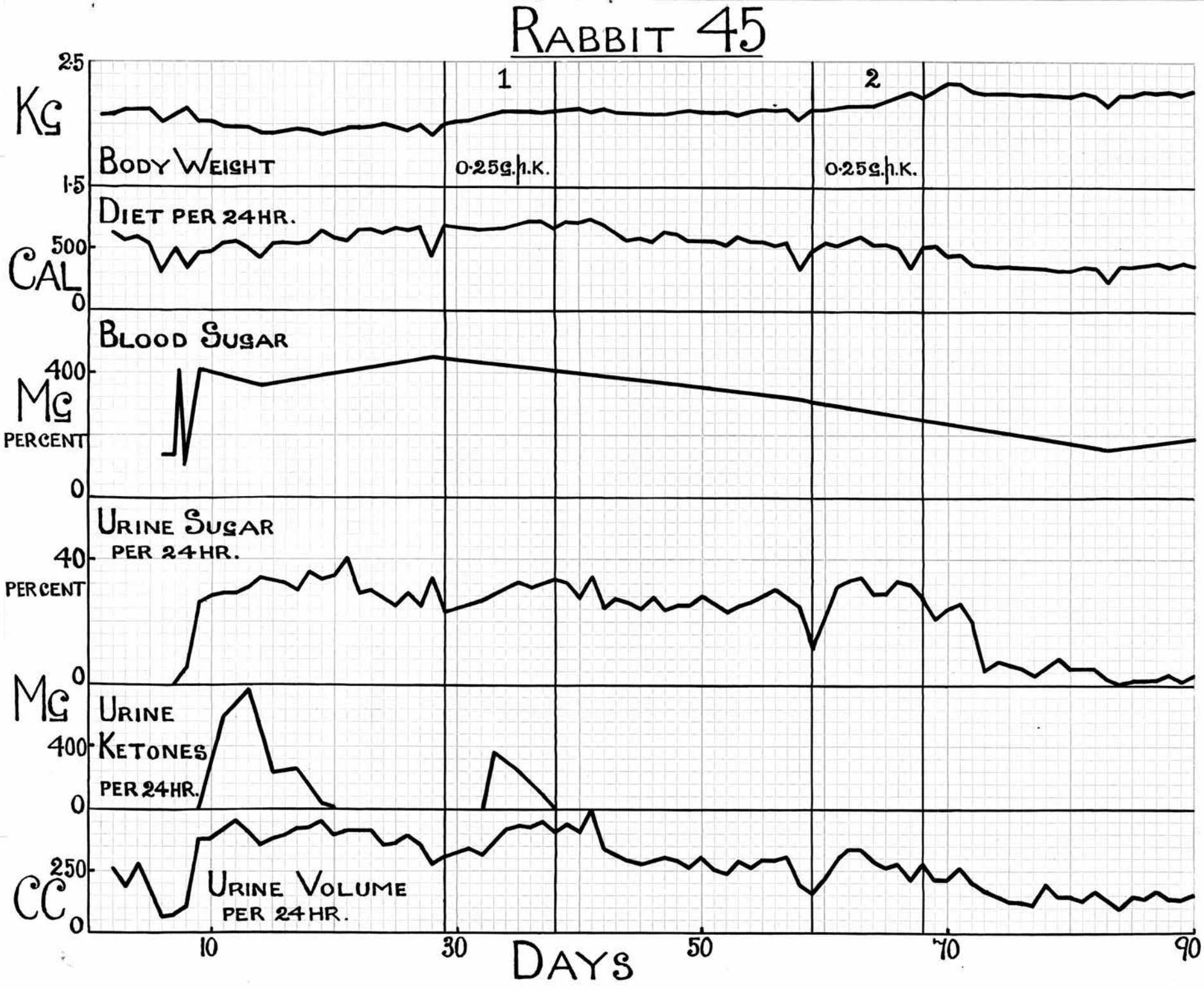
RABBIT 45
25
Kg
1.5
BODY WEIGHT
1
0·25g.h.k.
2
0·25g.h.k.
DIET PER 24HR.
500
CAL
0
BLOOD SUGAR
400
Mg
PERCENT
0
URINE SUGAR
PER 24HR.
40
PERCENT
0
Mg
URINE
KETONES
400
PER 24HR.
0
250
CC
0
URINE VOLUME
PER 24HR.
10
30
50
70
90
DAYS

Figure 10.

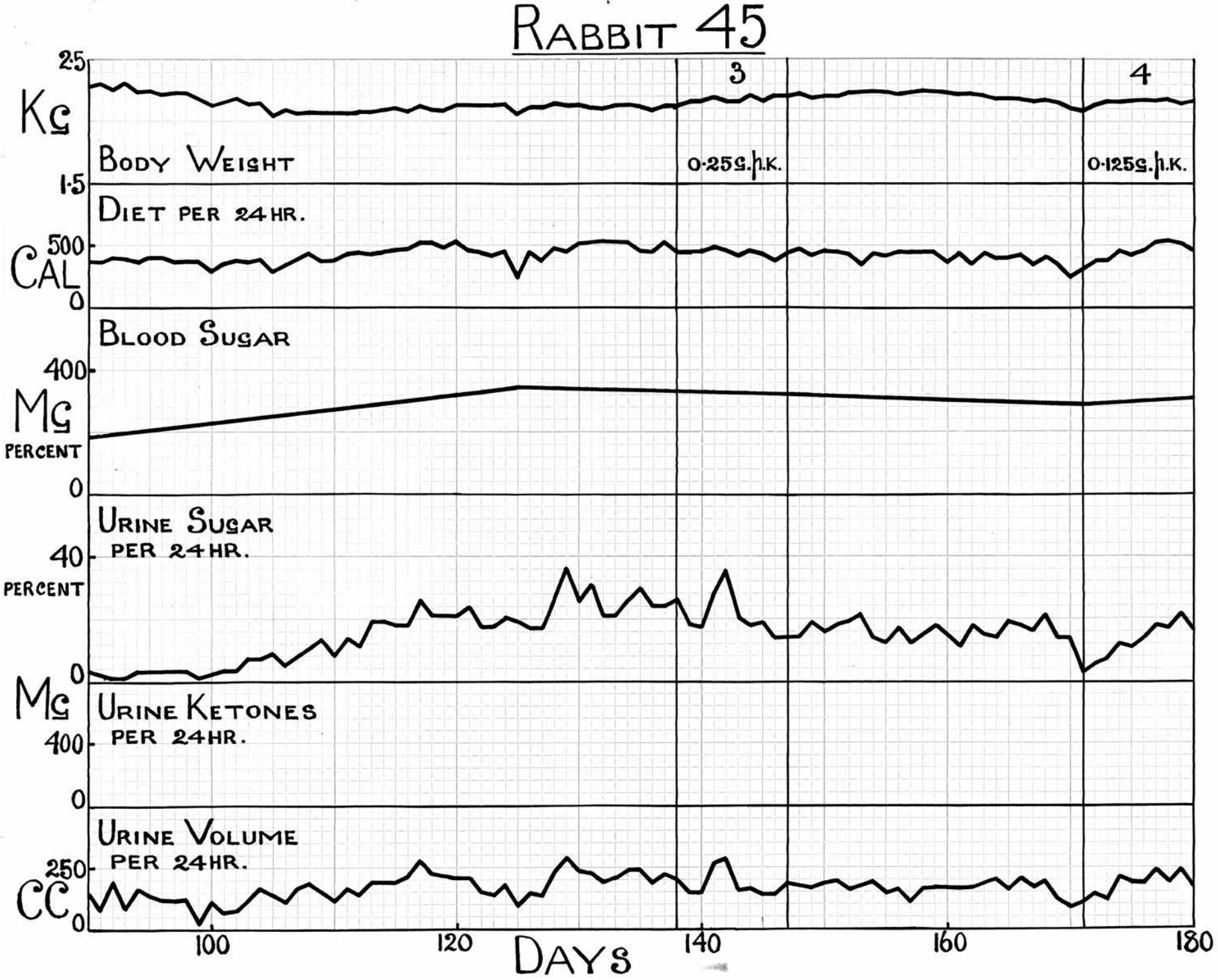
RABBIT 45
2·5
Kg
BODY WEIGHT
3
0·25g.p.k.
4
0·125g.p.k.
1·5
DIET PER 24HR.
500
CAL
0
BLOOD SUGAR
400
Mg
PERCENT
0
URINE SUGAR
PER 24HR.
40
PERCENT
0
Mg
URINE KETONES
PER 24HR.
400
0
URINE VOLUME
PER 24HR.
250
CC
0
100
120
140
160
180
DAYS

Figure 10.

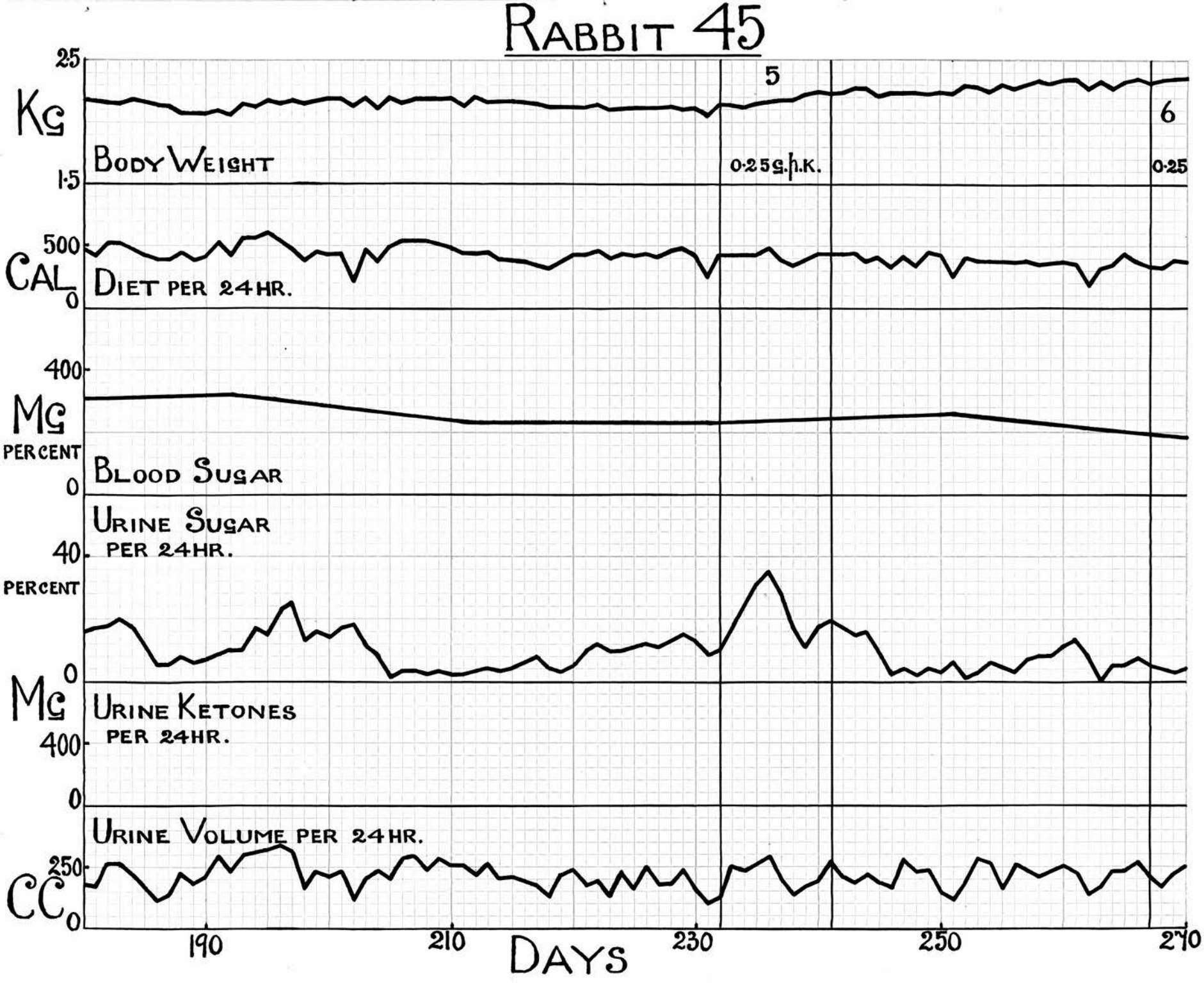
RABBIT 45
25
Kg
1·5
BODY WEIGHT
5
6
0·25 g.h.k.
0·25
500
CAL
0
DIET PER 24HR.
400
Mg
PERCENT
0
BLOOD SUGAR
URINE SUGAR
PER 24HR.
40
PERCENT
0
Mg
URINE KETONES
PER 24HR.
400
0
URINE VOLUME PER 24HR.
250
CC
0
190
210
230
250
270
DAYS

Figure 10.

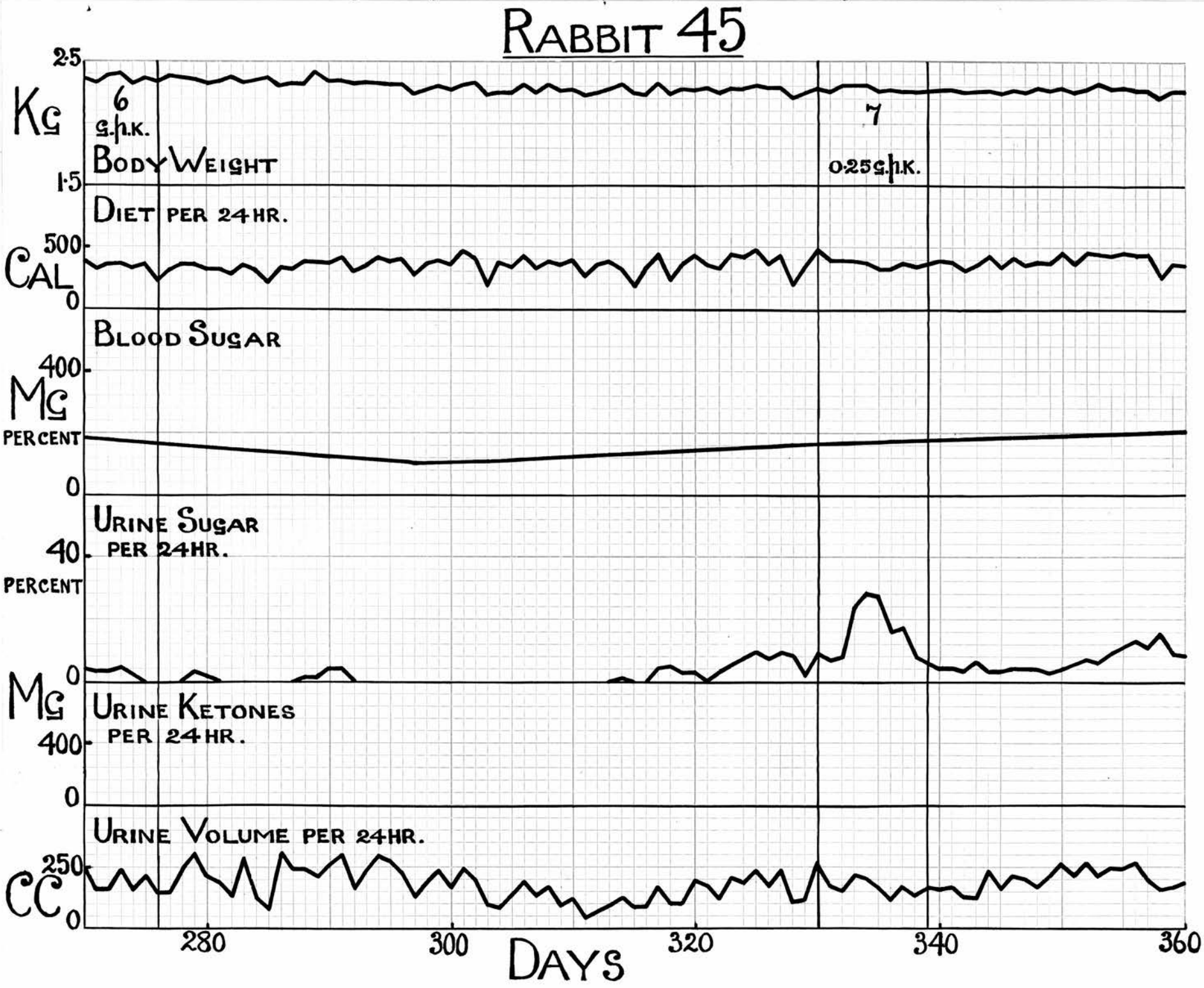
RABBIT 45
25
Kg
1·5
6
g.h.k.
BODY WEIGHT
7
0·25g.h.k.
DIET PER 24HR.
500
CAL
0
BLOOD SUGAR
400
Mg
PERCENT
0
URINE SUGAR
PER 24HR.
40
PERCENT
0
Mg
URINE KETONES
PER 24HR.
400
0
URINE VOLUME PER 24HR.
250
CC
0
280
300
320
340
360
DAYS

Figure 10.

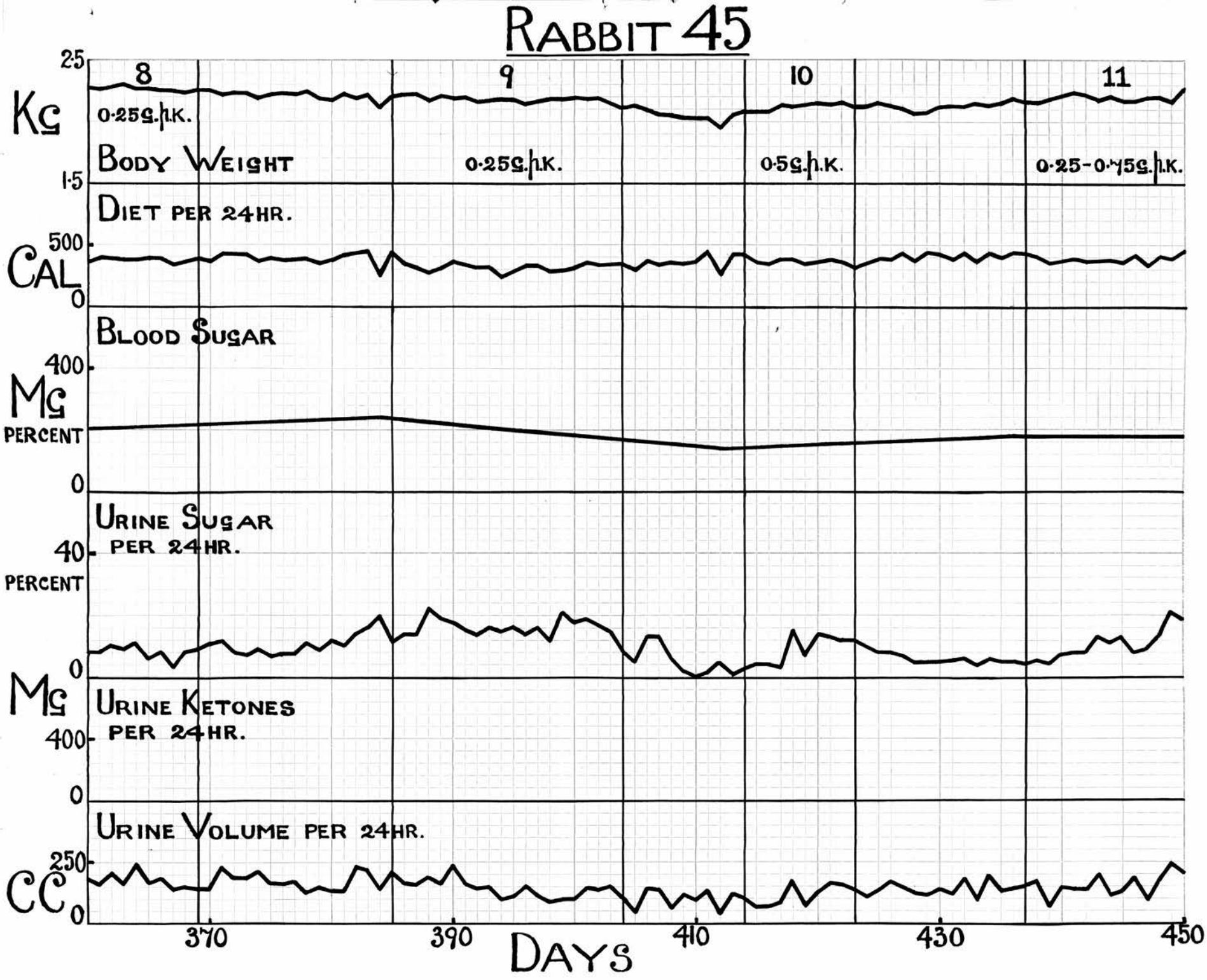
RABBIT 45
25
Kg
1·5
8
9
10
11
0·25g.h.k.
BODY WEIGHT
0·25g.h.k.
0·5g.h.k.
0·25-0·75g.h.k.
DIET PER 24HR.
500
CAL
0
BLOOD SUGAR
400
Mg
PERCENT
0
URINE SUGAR
PER 24HR.
40
PERCENT
0
Mg
URINE KETONES
PER 24HR.
400
0
URINE VOLUME PER 24HR.
250
CC
0
370
390
410
430
450
DAYS

Figure 10.

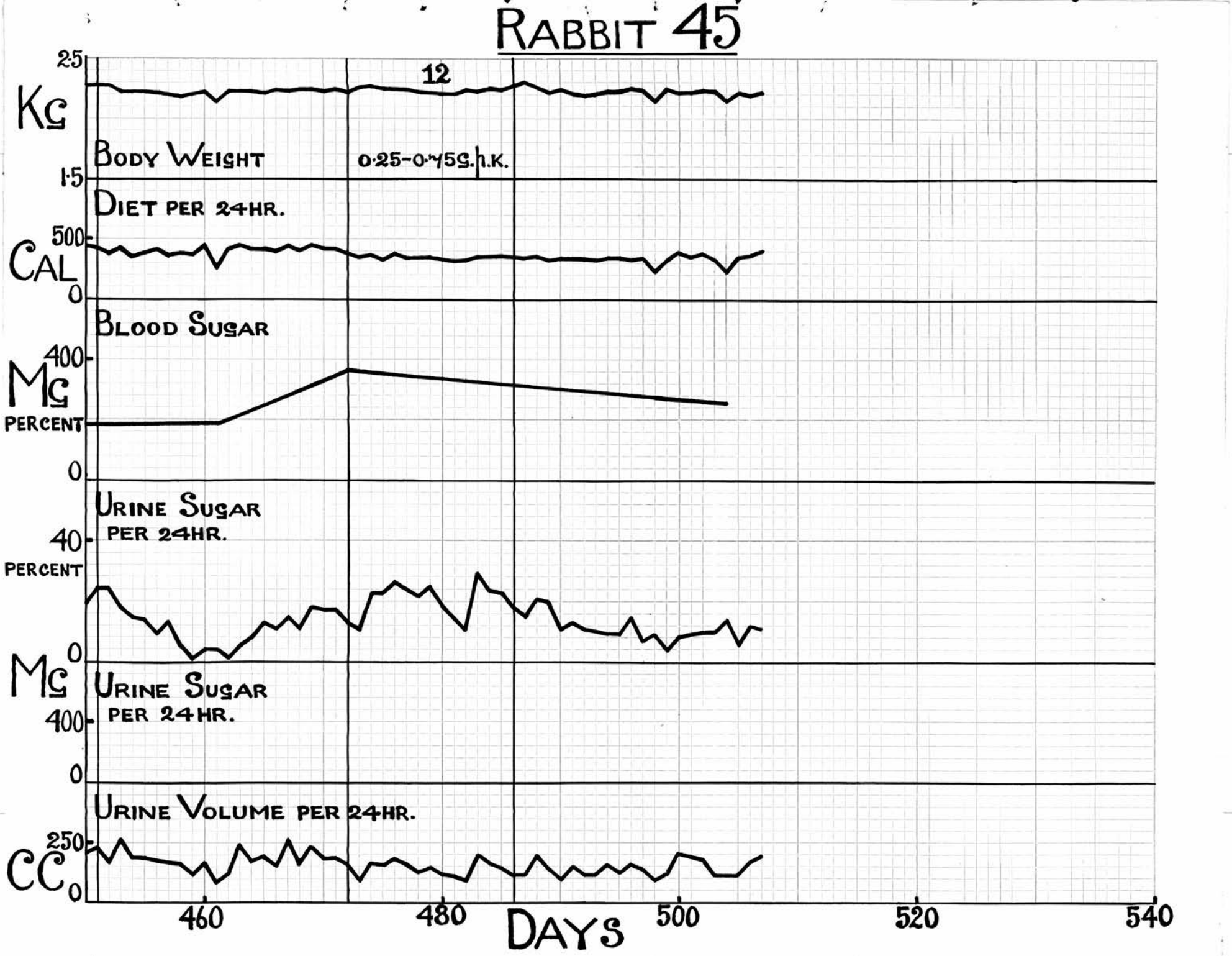
RABBIT 45
25
Kg
12
BODY WEIGHT
0·25-0·75G. /K.K.
1·5
DIET PER 24HR.
500
CAL
0
BLOOD SUGAR
400
Mg
PERCENT
0
URINE SUGAR
PER 24HR.
40
PERCENT
0
Mg
URINE SUGAR
PER 24HR.
400
0
URINE VOLUME PER 24HR.
250
CC
0
460
480
DAYS
500
520
540

Figure 10.

by all except one of the other eleven courses. The modification consisted of an initial reduction in blood sugar, glycosuria and urinary volume and an increase in body weight, and a secondary change of the reverse order in each of these factors. It was characteristically seen after the second course and in a less uniform combination of the factors following the other treatments. The result was a fall in the glycosuria to 4 per cent or less after nine courses and complete disappearance of sugar from the urine following four treatments. Three of the sugar-free periods were for one day only, but the fourth lasted 22 days. Each of the periods, moreover, was characterised by a normal blood sugar and urinary volume, a moderately reduced diet, and a normal or increased body weight. Dissection revealed a well nourished condition with abundant perinephric fat.

Rabbit 43 (female : Fig. 7), a litter-mate of rabbit 42, was used as an untreated control. It had a normal blood sugar of 139 mg. per cent and after the same amount of alloxan per kg. body weight as was given to rabbit 42 developed a blood sugar of 422 mg. per cent and glycosuria of 28 per cent (Fig. 8). These blood and urinary sugar levels were maintained with fluctuations until the 220th day. Thenceforward, the animal showed an intermittent increase in urinary sugar and on the 360th day recorded a blood sugar of 434 mg. per cent and glycosuria of 40 per cent. The diet during

most/

most of the diabetes was slightly increased. The body weight fell at the beginning of the glycosuria, remained subnormal for a time, rose slowly to almost normal and finally declined to its post-alloxan level. The urinary volume was much increased throughout the diabetes. Post mortem the animal was well nourished as indicated by abundant abdominal fat.

Histological Data.

These refer to the pancreatic islets and ducts and are conveniently detailed in Table I and as follows :-

(1) Number and size of islets. Each animal of the series, particularly rabbit 36, showed a marked reduction in the number and size of its islets. No exact numerical estimate was made of the amount of diminution, but a measure of the reduction dimensionally is given for rabbits 42 and 43 on the section on regeneration (vide infra).

(2) Atrophy of islets to groups of A-cells. This condition expressed itself in various stages. Thus some islets were made up of A- and B- cells in about equal proportions, while others consisted mostly or wholly of A- cells (Figs. 11 and 12). The A- cells, moreover, having become relatively increased, tended to be localised in one or two distinct groups and, both in such collections and in purely A- cell islets, were usually arranged according to one or other of several patterns. One grouping showed a core of polyhedral elements enclosed/

Rabbit	No. of Islets	Av. size of Islets	B-cell Islets	A-cell Islets		B-cell Islets					Ducts	
					Normal	Hydropic degeneration			Regeneration		Hydropic degeneration	
						Slight	Moderate	Severe	Budding	From Ducts	Intralobular	Interlobular
35	Subnormal	Subnormal	85**	15	8	22	43	27	5	+	++++	++
36	Markedly Subnormal	Markedly Subnormal	72	28	4	31	58	7	0	-	++++	++
37	Subnormal	Subnormal	74	26	7	21	47	25	6	+	++++	++
42	Subnormal	Subnormal: larger than in R. 43	86	14	57	26	14	3	5	+	++	-
43*	Subnormal	Subnormal: smaller than in R. 42	83	17	9	24	60	7	0	-	++++	++
45	Subnormal	Subnormal	93	7	52	35	9	4	5	-	+	+

* Untreated littermate of Rabbit 42.

** All the figures except in the first column indicate percentages of islets.

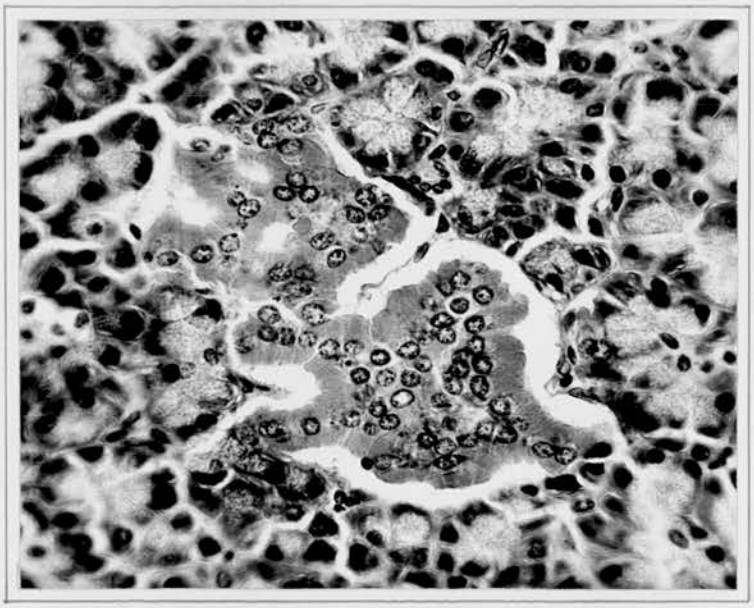

Fig. 11.

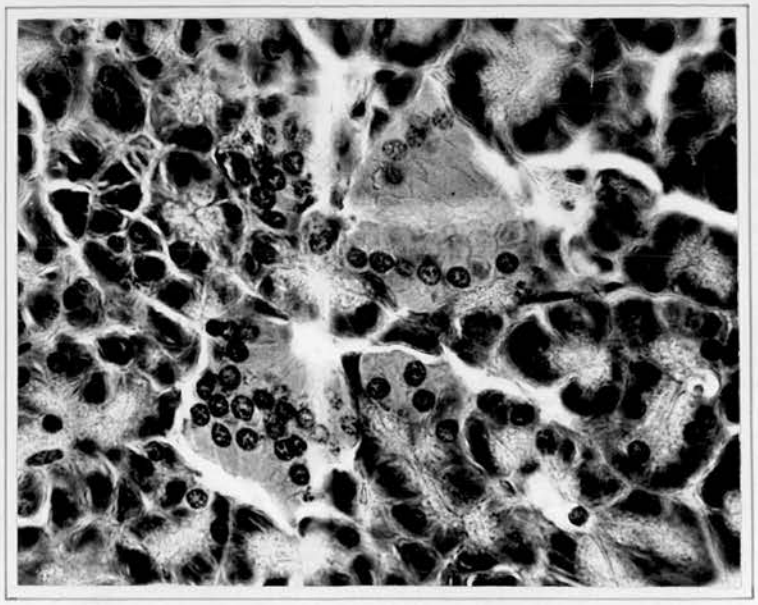

Fig. 12.

Figs. 11 & 12. The islets consist wholly of A-cells with an irregular and palisade arrangement. The islet in Fig. 11, as indicated by the number of nuclei, shows suggestive regeneration. H.E. x 525.

enclosed by columnar cells with basally placed nuclei. Another consisted in a single row of columnar cells with the nuclei arranged along one side, while still others comprised two rows of columnar cells with the nuclei situated centrally or peripherally. The proportion of purely A - cell islets varied between 7 per cent in rabbit 45 and 28 per cent in rabbit 36 with an average of 18 per cent for the general islet population. Finally, the A - cells were histologically normal.

(3) Hydropic degeneration of B - cells. Such damage was manifest in replacement of the cytoplasm and granules of the cells by serous fluid (Figs. 13 - 20). Loss of this material often occurred during preparation, causing the cells to appear finely vacuolated or as a clear space with a nucleus and bounding membrane. Serous replacement, even when advanced, was not always accompanied by enlargement. The cells, however, were often swollen and occasionally reached some six times the normal average size. The nucleus in normal or slightly enlarged cells retained its usual position, but in markedly swollen cells was often pushed to one side. Hydropic change was observed in more than 90 per cent of the B - cell islets in rabbits 35, 36, 37 and 43 and rather less than 50 per cent in rabbits 42 and 45, being graded as moderately severe and relatively slight in the two groups respectively.

(4) Regeneration of islets. This phenomenon was evidenced by enlargement, budding, and the formation/

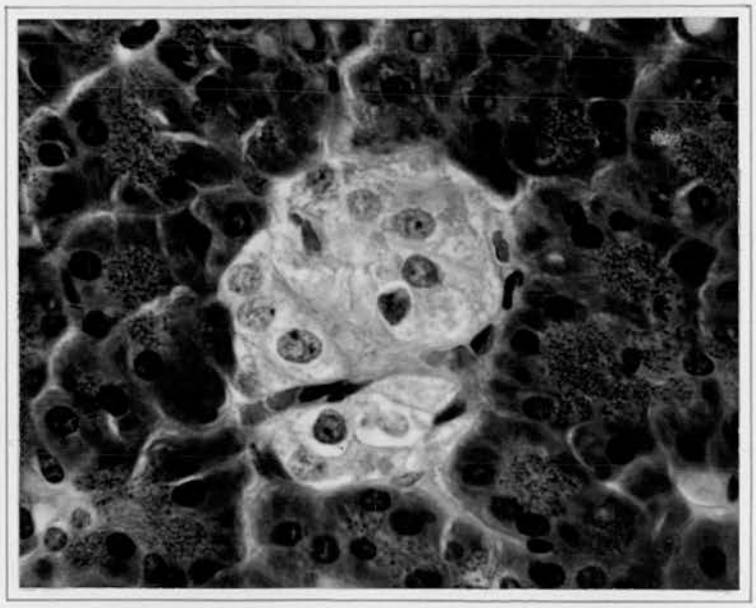

Fig. 13.

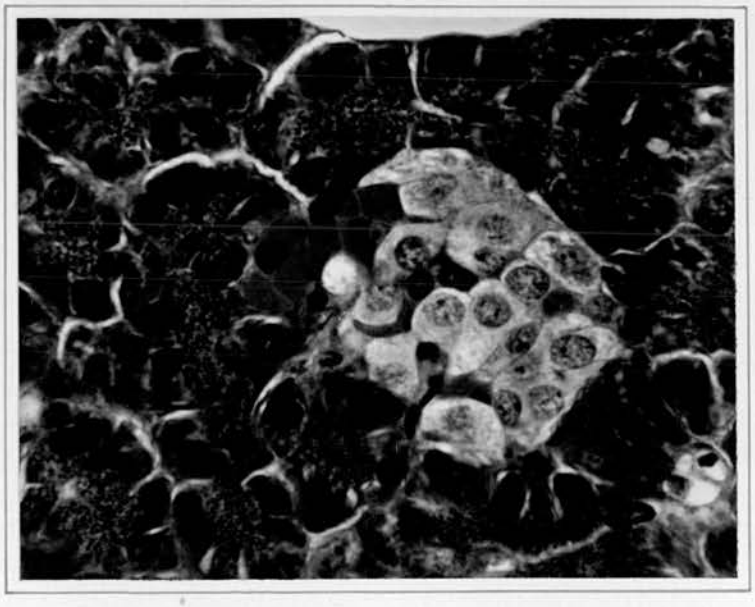

Fig. 14.

Figs. 13 & 14. The islets exhibit slight hydropic degeneration of the B-cells, while the dark A-cells in Fig. 14 are unaffected. H.E. x 650.

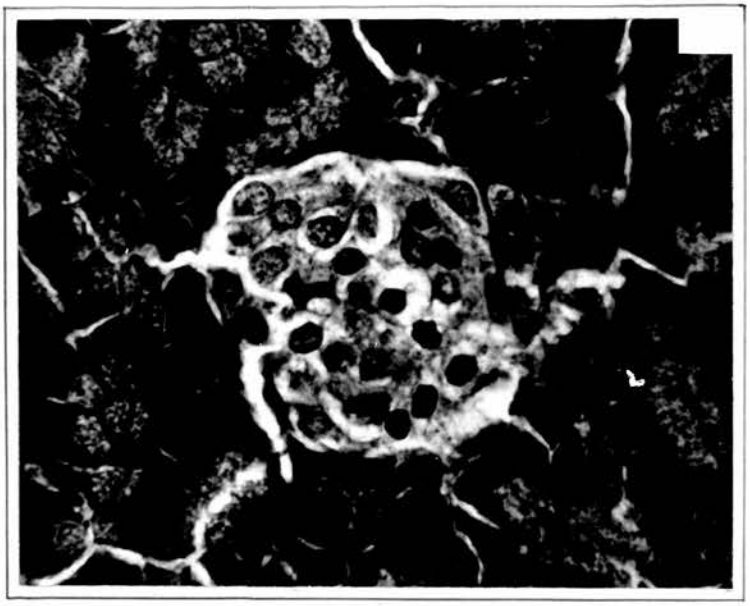

Fig. 15.

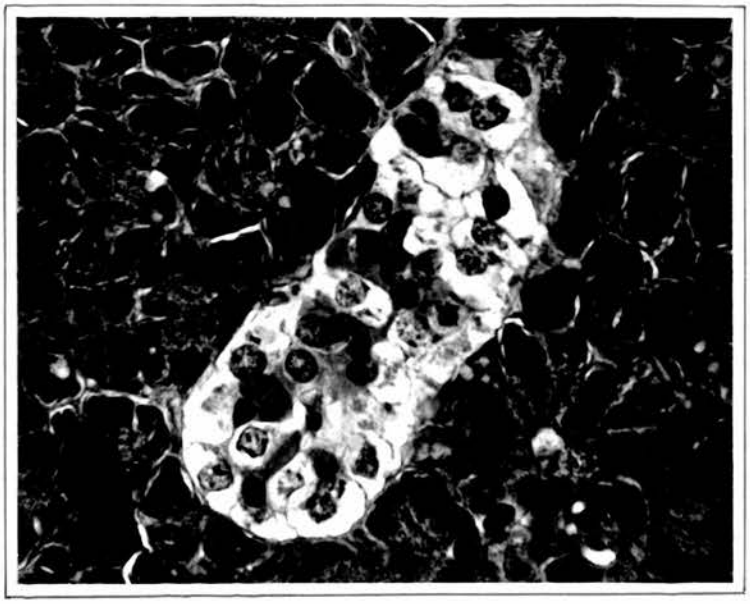

Fig. 16.

Figs. 15 & 16. The islets are characterised by moderate hydropic degeneration of the B-cells, the dark A-cells in Fig. 16 being unaffected. H.E. x 625.

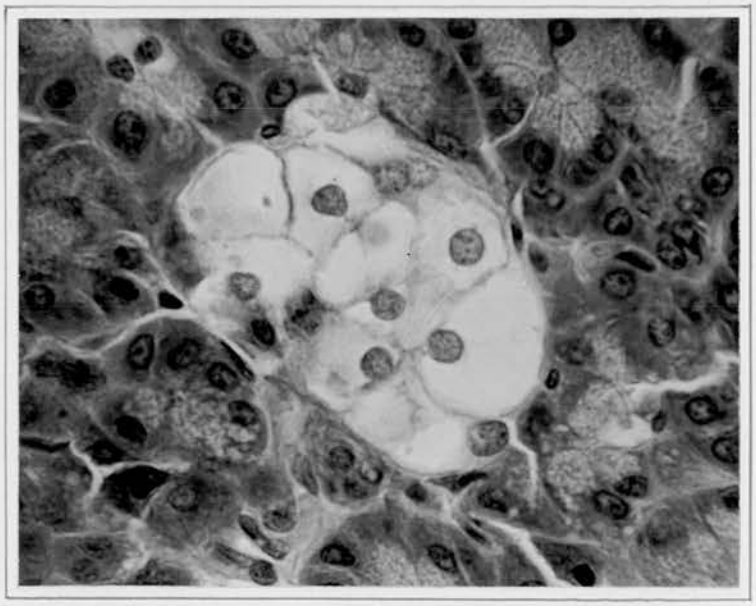

Fig. 17.

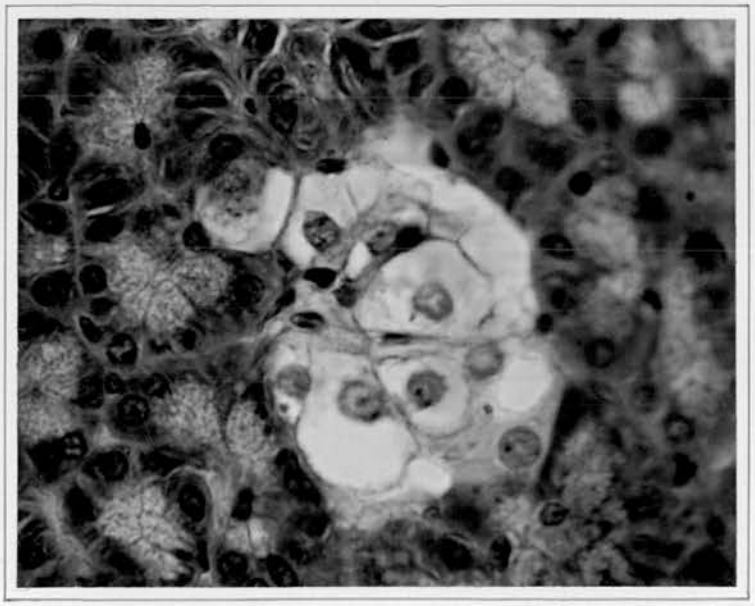

Fig. 18.

Figs. 17 & 18. The islets show marked hydropic degeneration of the B-cells. H.E. x 650.

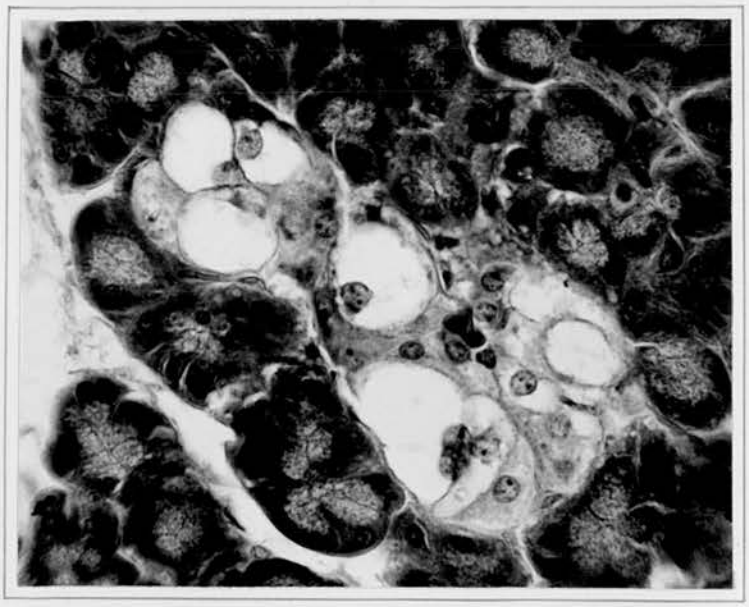

Fig. 19.

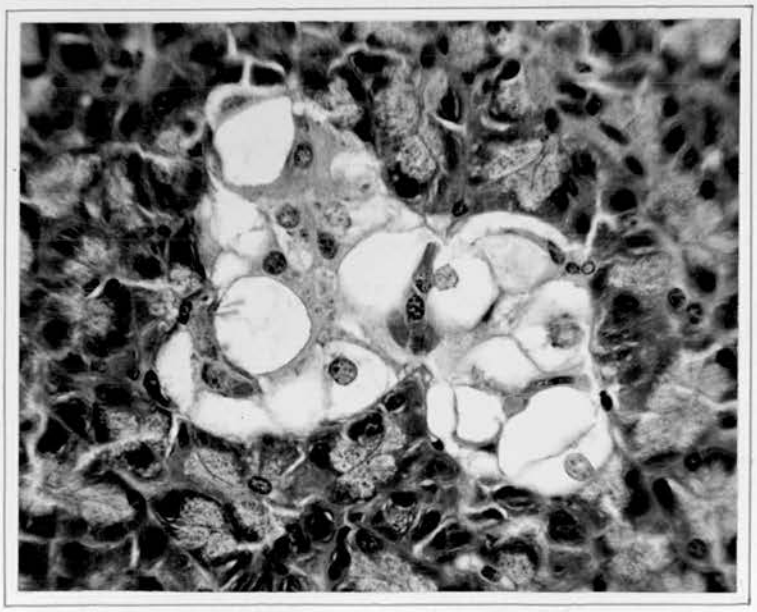

Fig. 20.

Figs. 19 & 20. The islets exhibit marked hydropic degeneration of the B-cells, while the dark A-cells at the centre of each islet are unaffected. H.E. x 450.

formation of new islets from ducts.

(a) Enlargement. The average area of the islets in rabbit 42, in control rabbit 43 and as the mean of 10 normal rabbits, estimated at a magnification of 160, was in the order of 0.62 sq. cm., 0.42 sq. cm. and 1.02 sq. cm. respectively (Figs. 21, 22 and 23). In other words, the islets of the treated animal, although still abnormally small, were on the average 48 per cent larger than those of the untreated rabbit.

(b) Budding. Islets sometimes attracted attention by reason of their irregular and even bizarre configuration (Figs. 24-29, 31-36, 41-46, 51-54). Thus, they occasionally consisted of three or four small masses clustered together or arranged in a row and attached broadly or only at points. The interpretation was that in these instances insular enlargement had taken place not so much circumferentially as by focal outgrowth. Such irregular islets mostly consisted of B- cells only or of a mixture of A- cells and B- cells. Purely A- cell islets were rarely abnormal in shape. Budding of B- cell islets with or without A- cells was observed in rabbits 35, 37, 42 and 45 to the extent of 5 or 6 per cent of the B- cell islet population. The regenerating islets in rabbits 35 and 37, moreover, were respectively always or mostly hydropic, usually in moderate or severe degree. On the other hand, the budding islets in rabbit 42 were normal and slightly or moderately hydropic in

about/

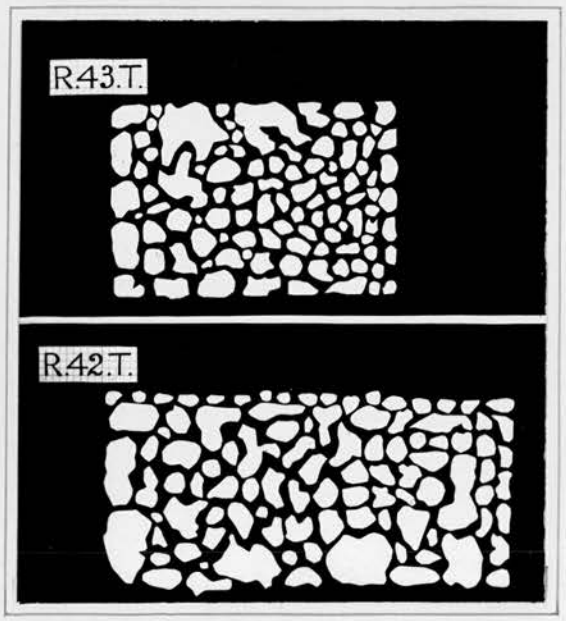

Fig. 21.

The upper and lower groups each represent 100 unselected islets taken respectively from the pancreas of untreated Rabbit 43 and treated Rabbit 42. The islets of Rabbit 42 are on the average larger than those of Rabbit 43.

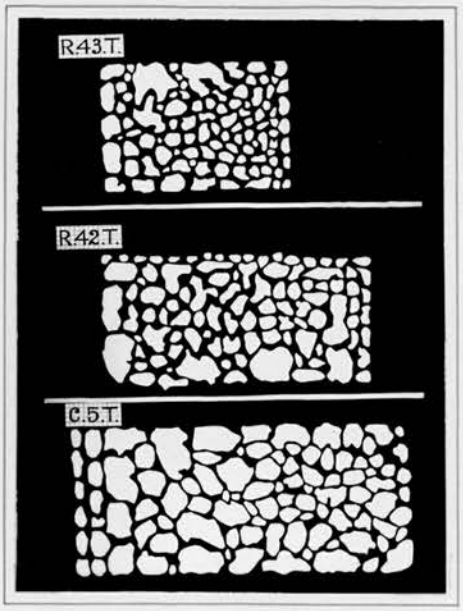

Fig. 22.

The upper, middle and lower groups each represent 100 unselected islets taken respectively from the pancreas of untreated Rabbit 43, treated Rabbit 42, and a normal Rabbit. The islets of Rabbit 42, although smaller than the normal, average larger than those of Rabbit 43.

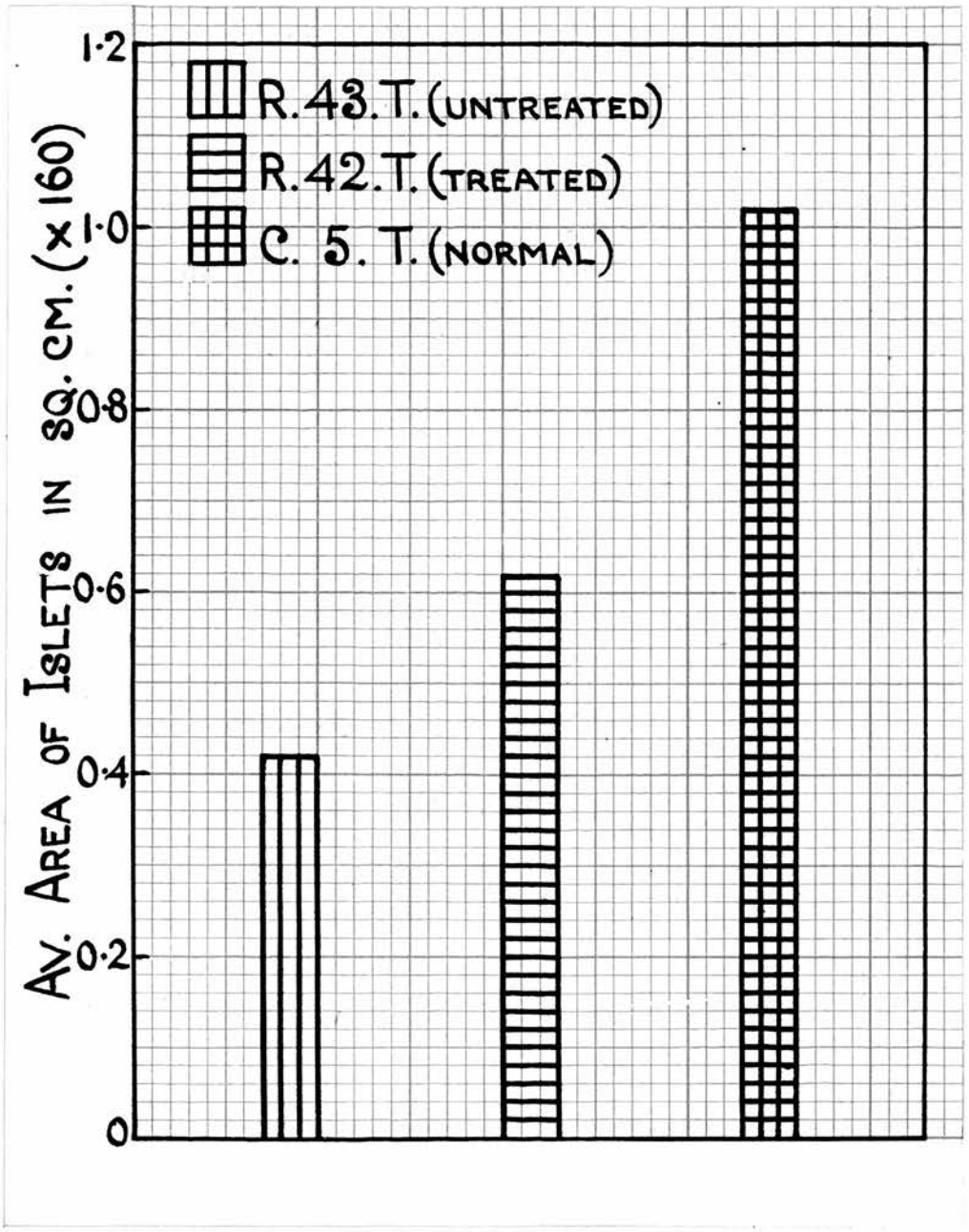

Fig. 23. The columns represent the average area in sq. cm. of the same three groups of 100 unselected islets shown in Fig. 22 and taken from the pancreas of the animals at a magnification of x 160.

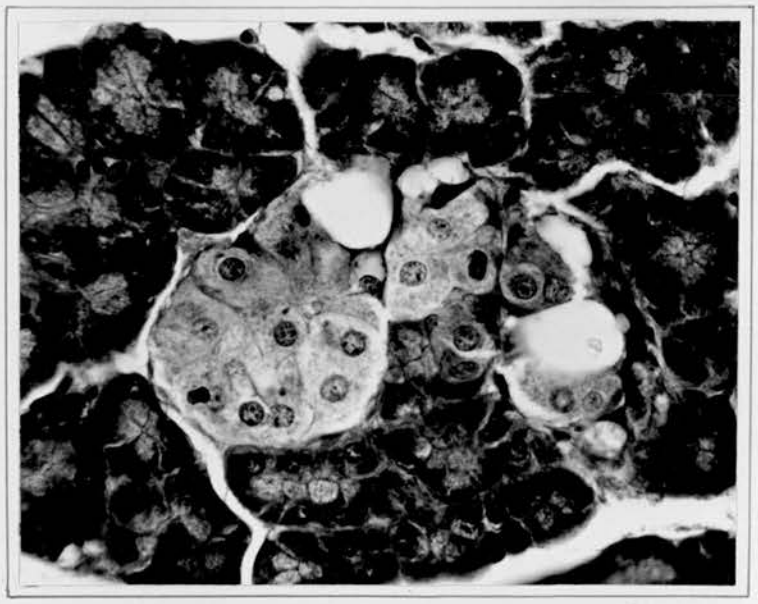

Fig. 24.

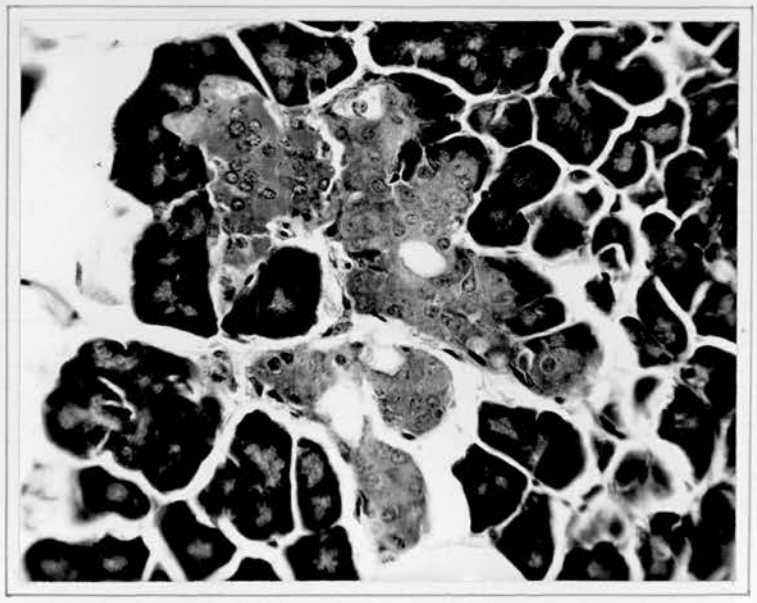

Fig. 25.

Figs. 24 (x 430) & 25 (x 300). Rabbit 35.
The islets are characterised by regenerative budding and hydropic degeneration of some B-cells. H.E.

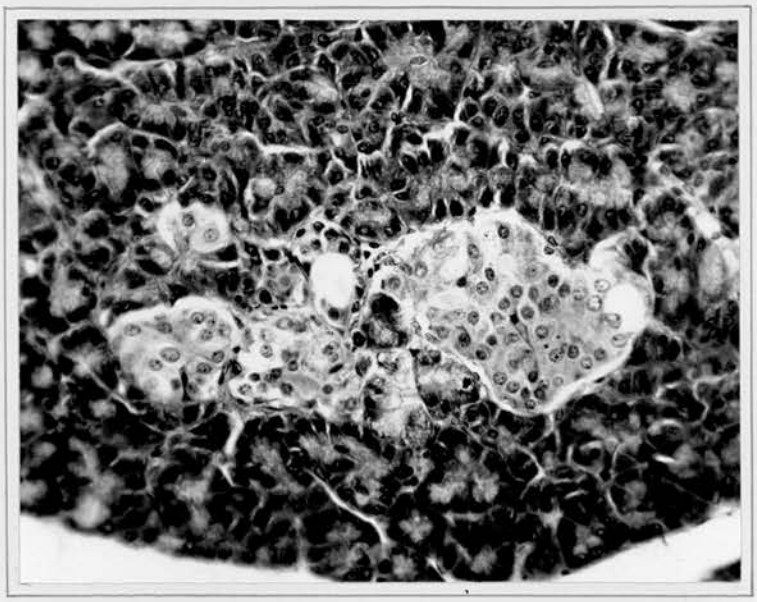

Fig. 26.

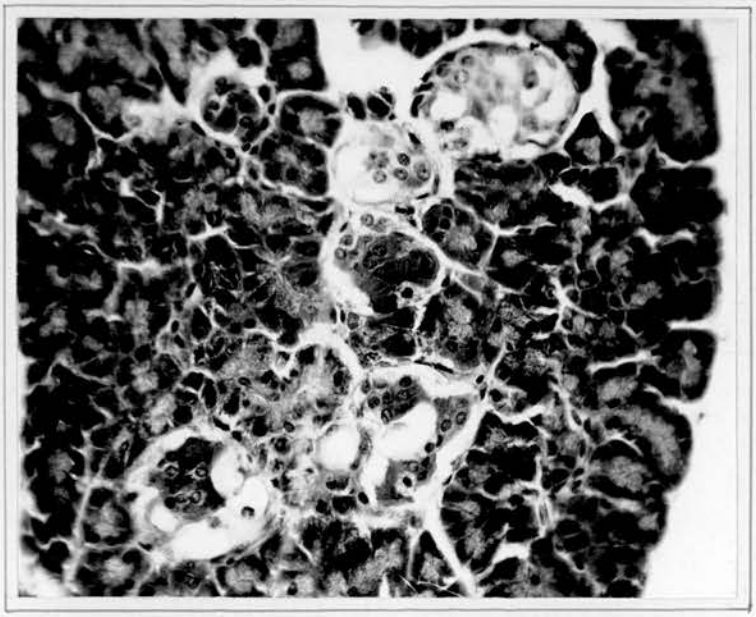

Fig. 27.

Figs. 26 & 27. Rabbit 35. The islets show regenerative budding and hydropic degeneration of some B-cells. H.E. x 250.

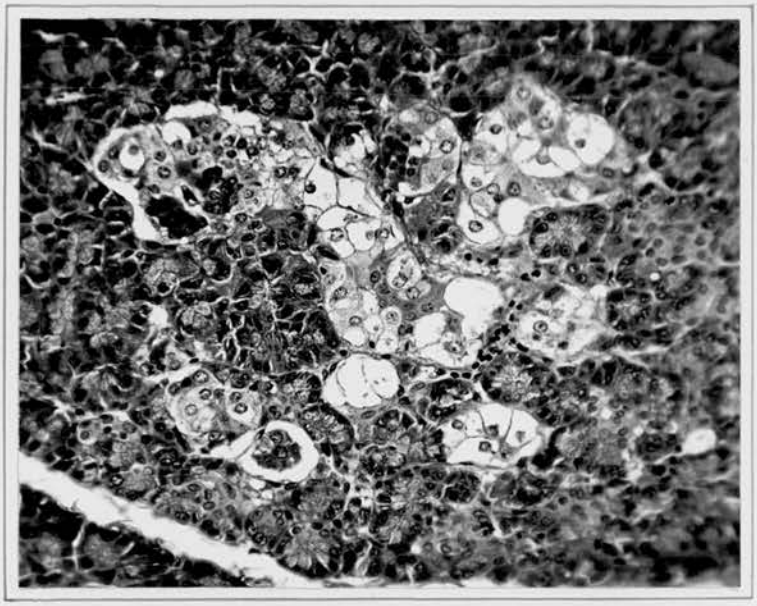

Fig. 28.

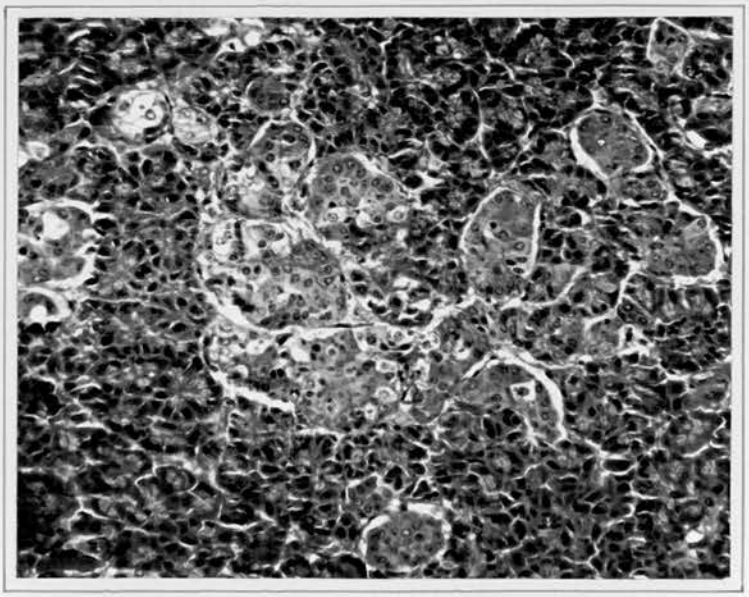

Fig. 29.

Figs. 28 (x 200) & 29 (x 170). Rabbit 35.
The islets exhibit marked regenerative budding and hydropic degeneration of many B-cells. H.E.

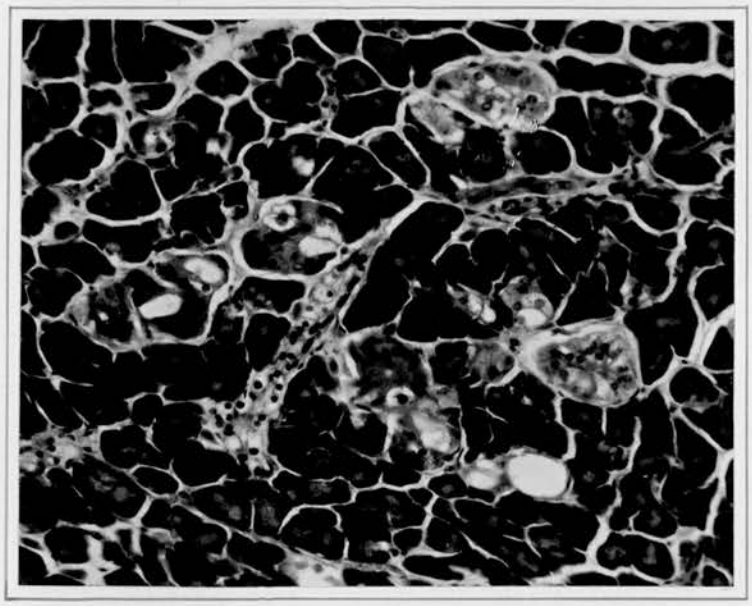

Fig. 30.

Rabbit 35. An intralobular duct has given off two, probably three, islets and these in turn have undergone budding. The epithelium lining the duct and some of the B-cells in the islets are swollen from hydropic degeneration. H.E. x 170.

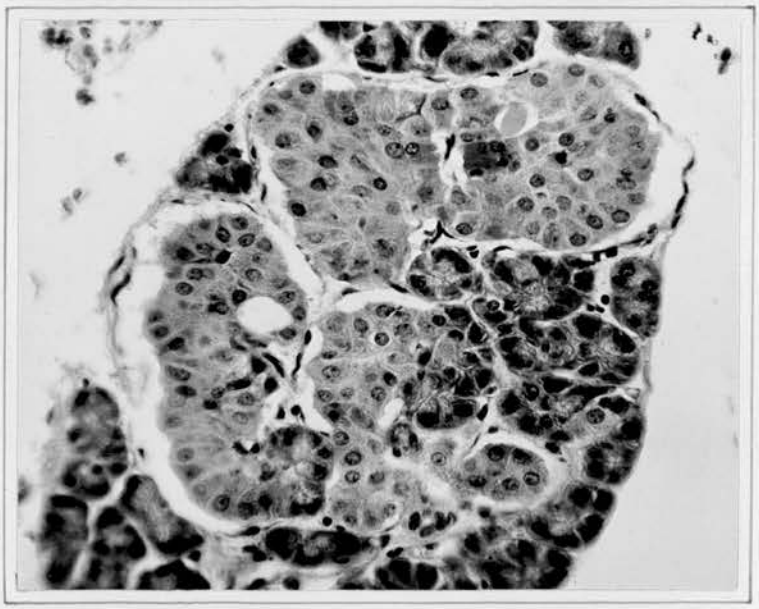

Fig. 31.

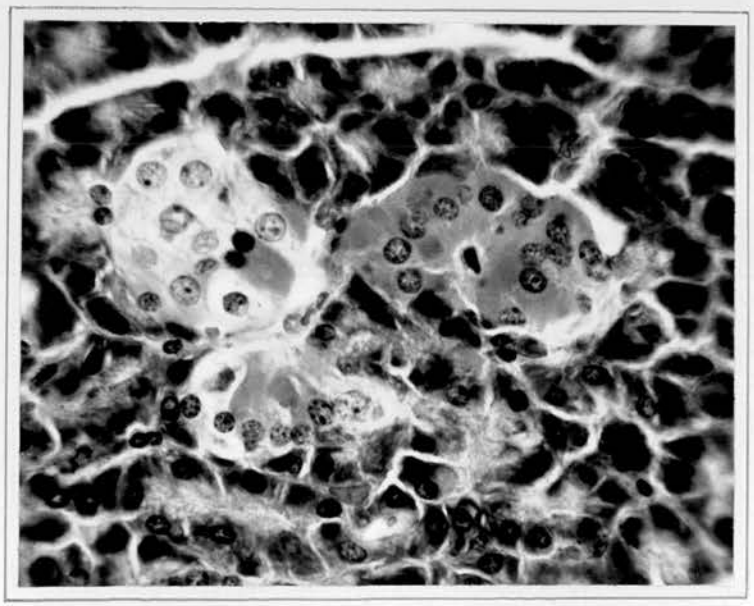

Fig. 32.

Figs. 31 (x 300) & 32 (x 550). Rabbit 37.
The islets show regenerative budding and hydropic degeneration of some B-cells.
H.E.

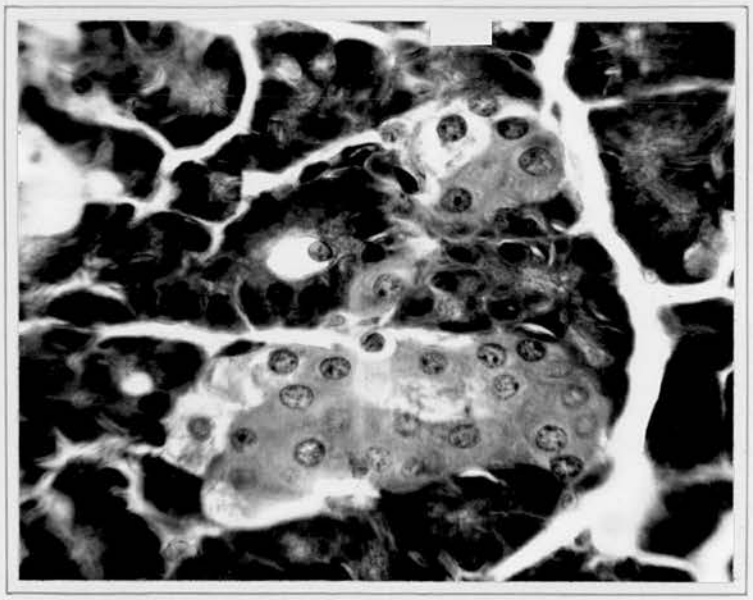

Fig. 33.

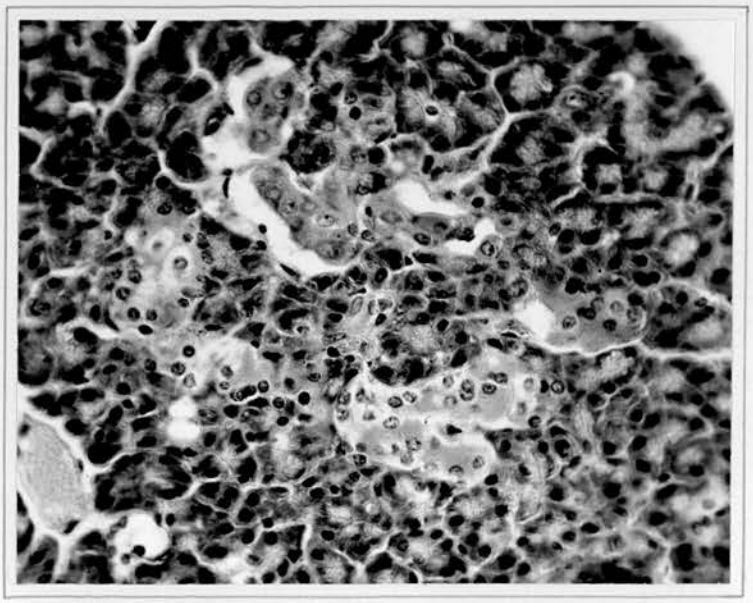

Fig. 34.

Figs. 33 (x 550) & 34 (x 300). Rabbit 37.
The islets exhibit regenerative budding and hydropic degeneration of some B-cells. H.E.

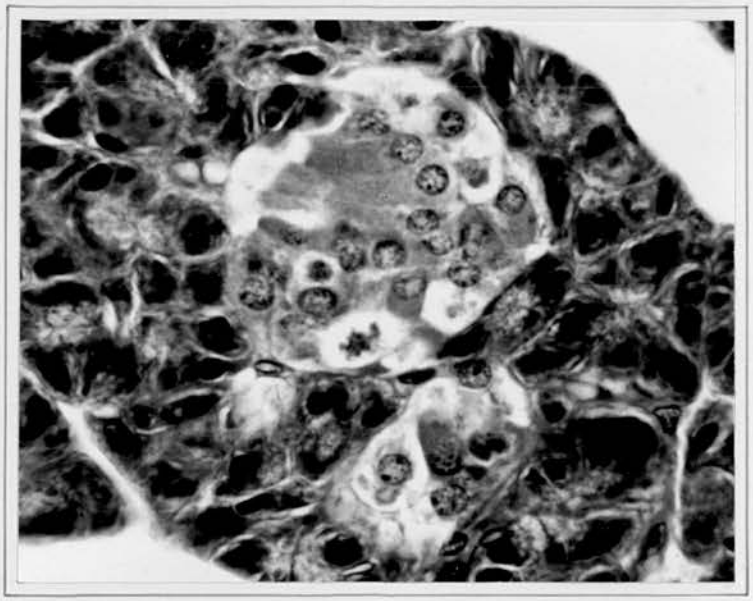

Fig. 35.

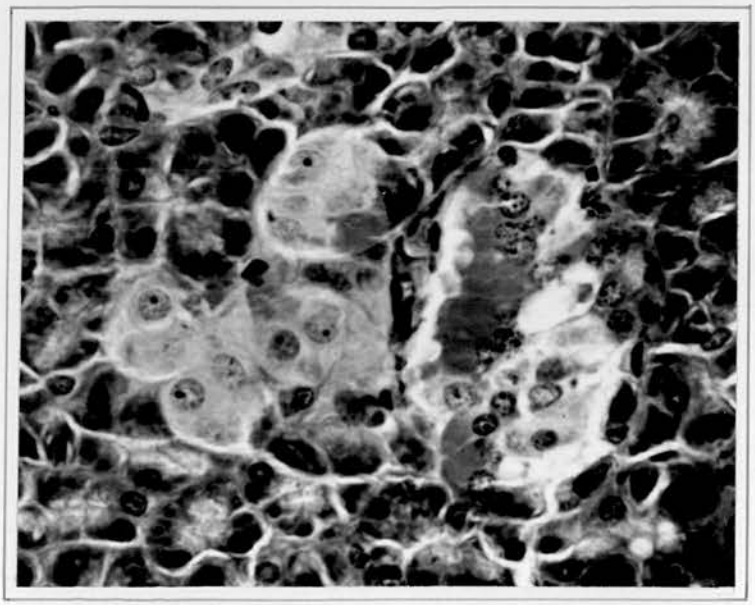

Fig. 36.

Figs. 35 (x 700) & 36 (x 600). Rabbit 37.
The islets are characterised by regenerative budding and hydropic degeneration of some B-cells. H.E.

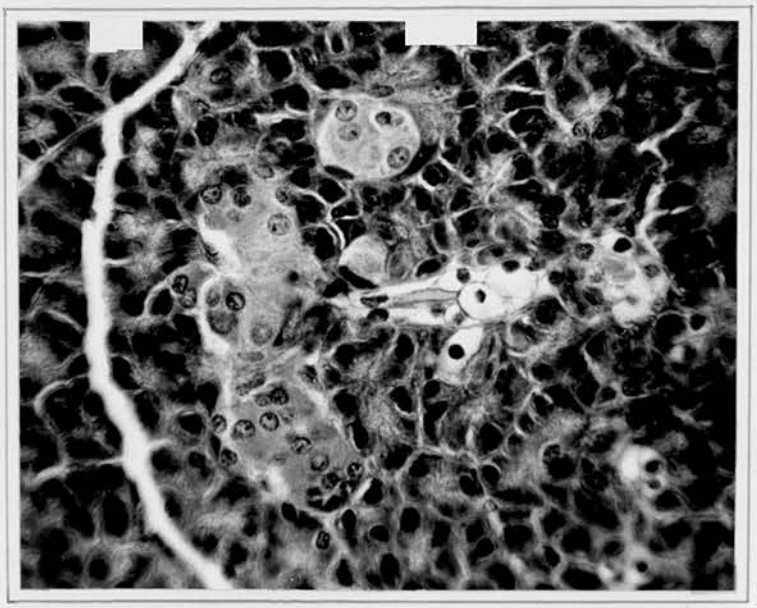

Fig. 37.

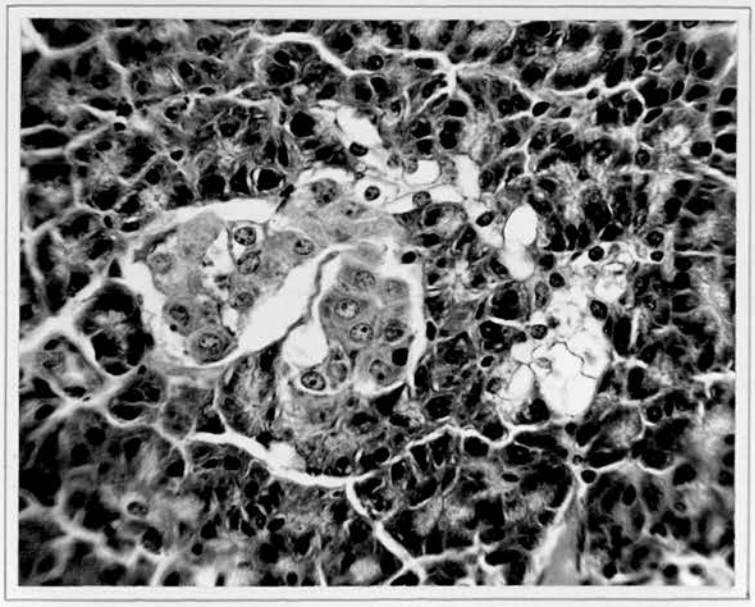

Fig. 38.

Figs. 37 (x420) & 38 (x 375) Rabbit 37. An intralobular duct in each illustration has given off an islet. The ducts are hydropic and the islet in Fig. 37 exhibits suggestive budding. H.E.

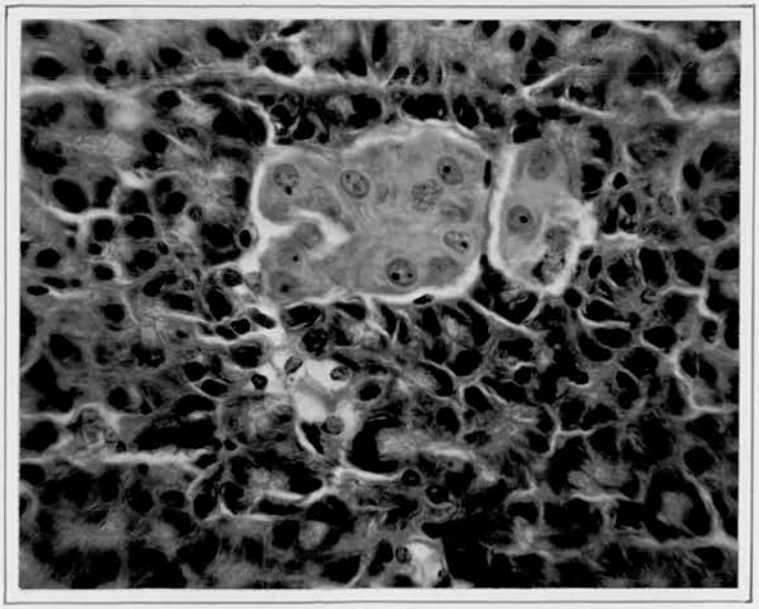

Fig. 39.

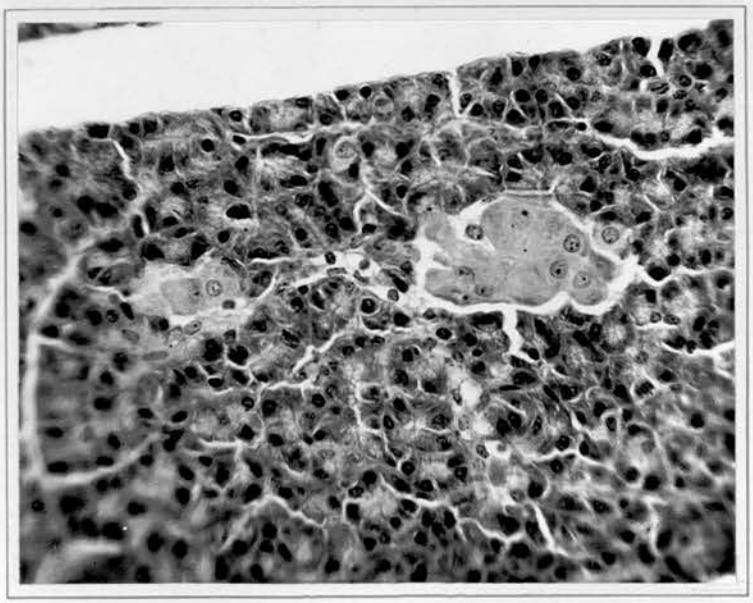

Fig. 40.

Figs. 39 (x 475) & 40 (x 325). Rabbit 37.
An intralobular duct in each illustration has given off one islet in Fig. 39 and two islets in Fig. 40. The ducts are hydropic. H.E.

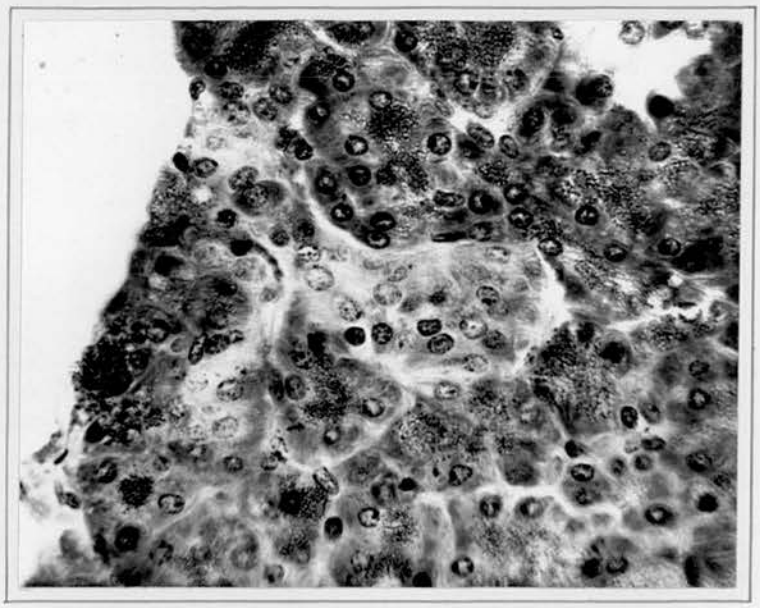

Fig. 41.

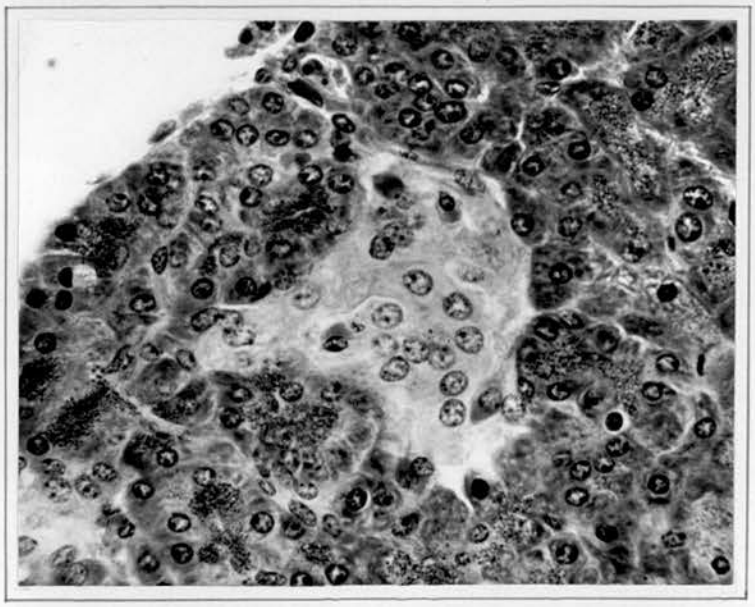

Fig. 42.

Figs. 41 & 42. Rabbit 42. The islets, as indicated by their lobulated or angular form, are undergoing regeneration, while some hydropic B-cells are present in islet in Fig. 41. H.E. x 500.

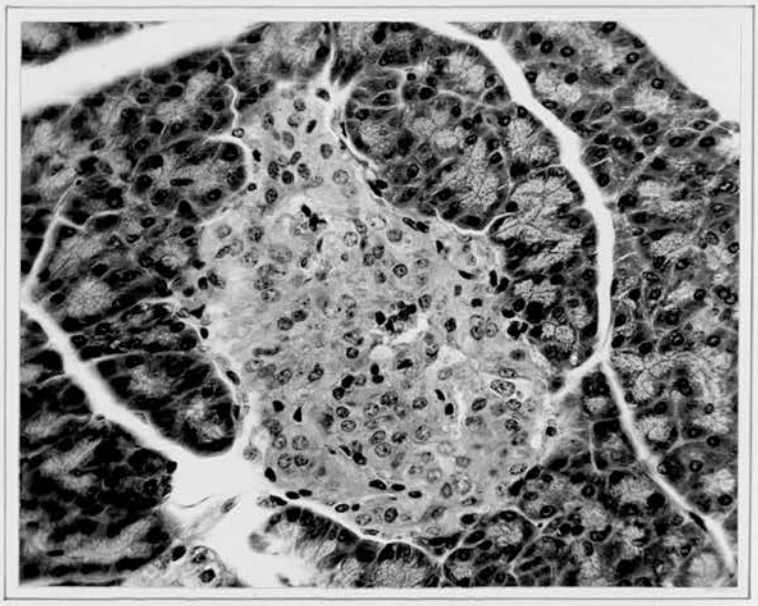

Fig. 43.

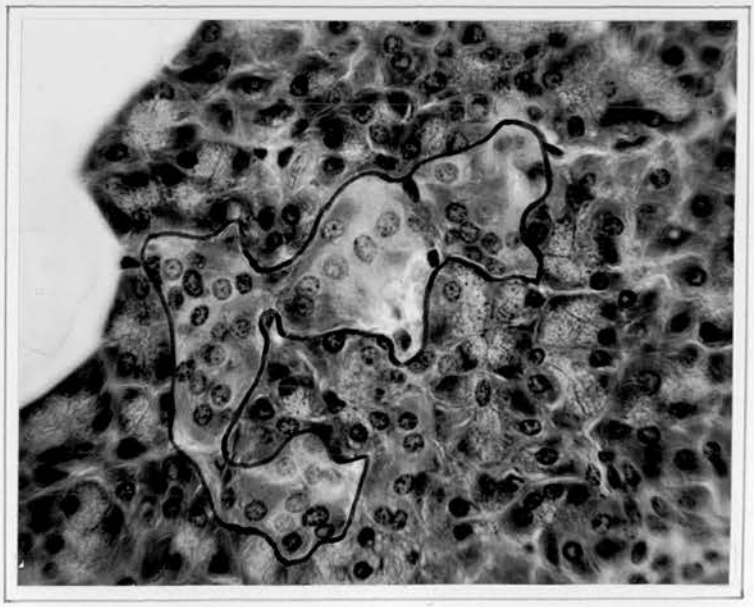

Fig. 44.

Figs. 43 (x 300) & 44 (x 475). Rabbit 42.
The islets, as indicated by their angular or lobulated shape, are undergoing regeneration and characterised by slight hydropic degeneration of occasional B-cells. H.E.

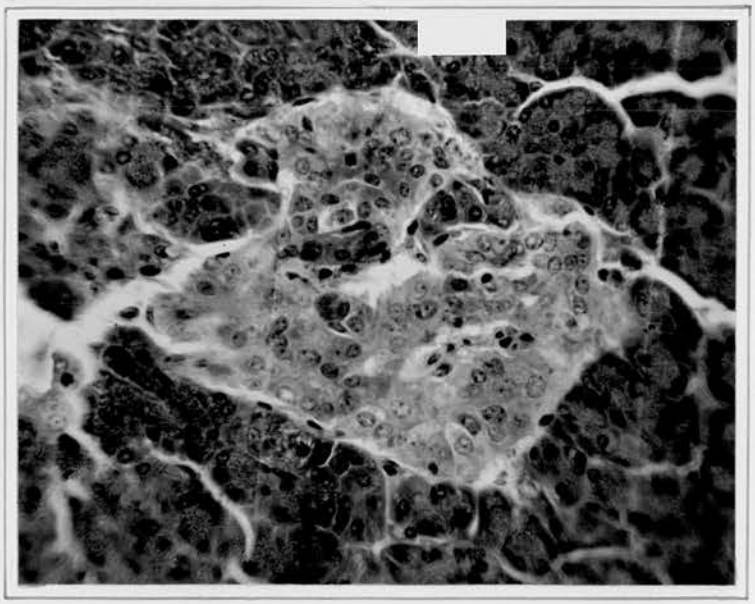

Fig. 45.

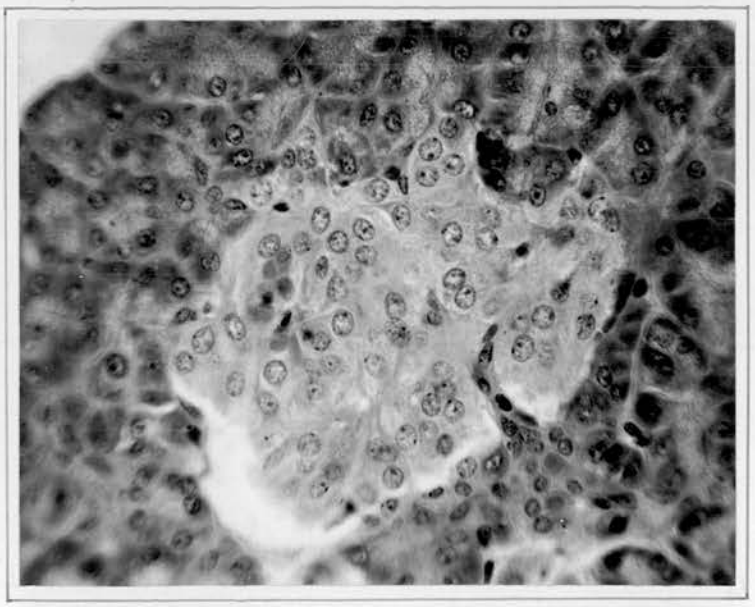

Fig. 46.

Figs. 45 (x 325) & 46 (x 400). Rabbit 42.
The islets, as indicated by their lobulated or angular form, are undergoing regeneration and show slight hydropic degeneration of occasional B-cells. H.E.

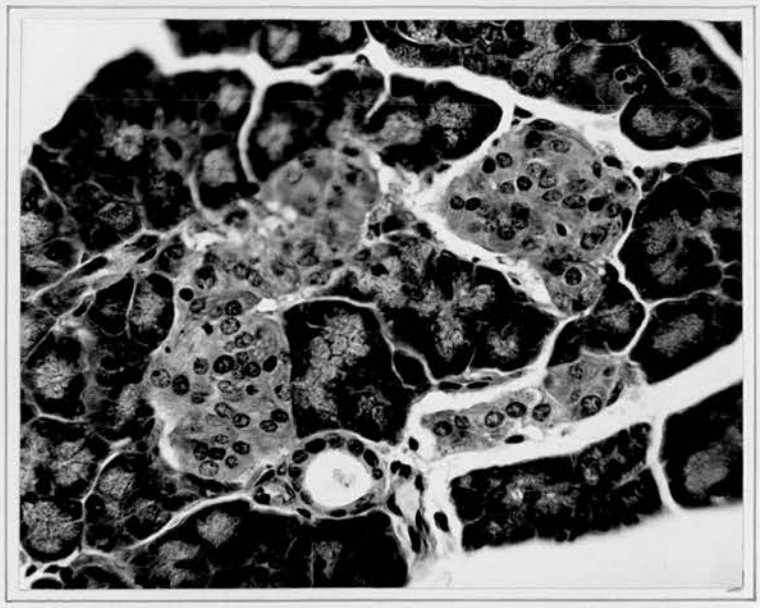

Fig. 47.

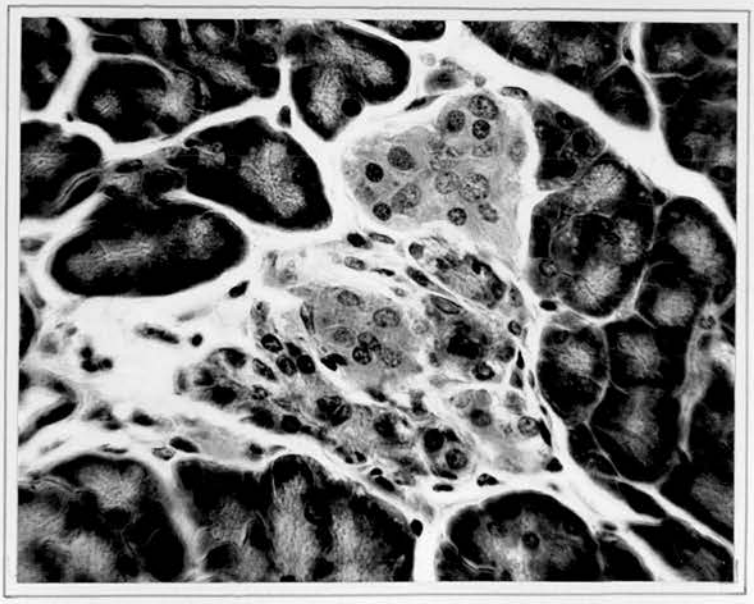

Fig. 48.

Figs. 47 (x 375) & 48 (x 450). Rabbit 42. The small ducts have given off masses of islet tissue forming an almost complete circle in Fig. 47. H.E.

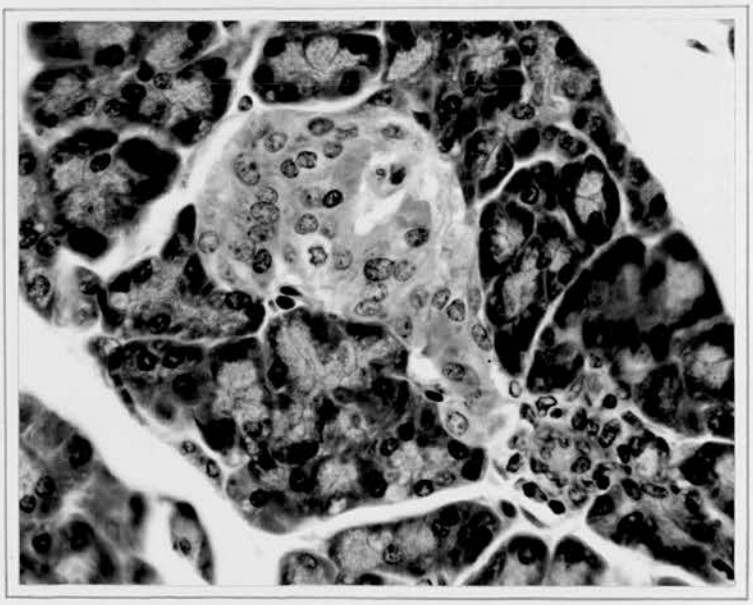

Fig. 49.

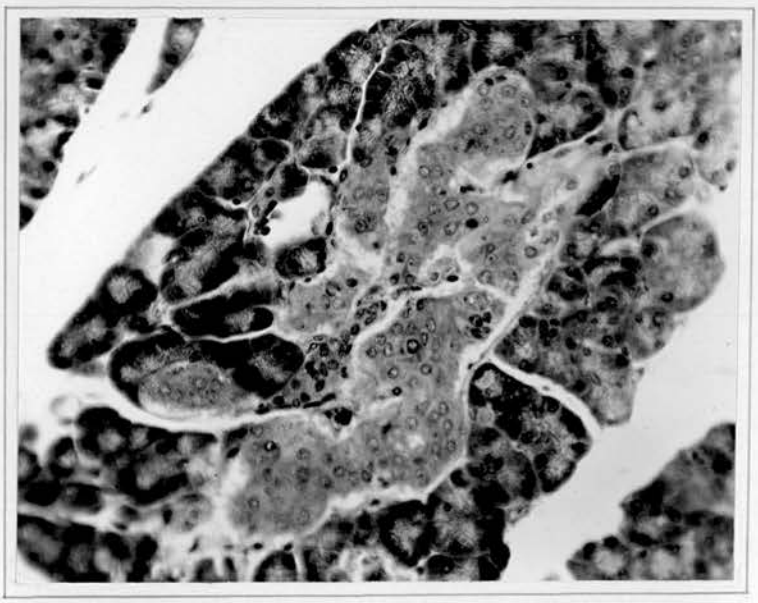

Fig. 50.

Figs. 49 (x 475) & 50 (x 250). Rabbit 42.
The small ducts have given off masses of islet tissue, particularly exuberant in Fig. 50. H.E.

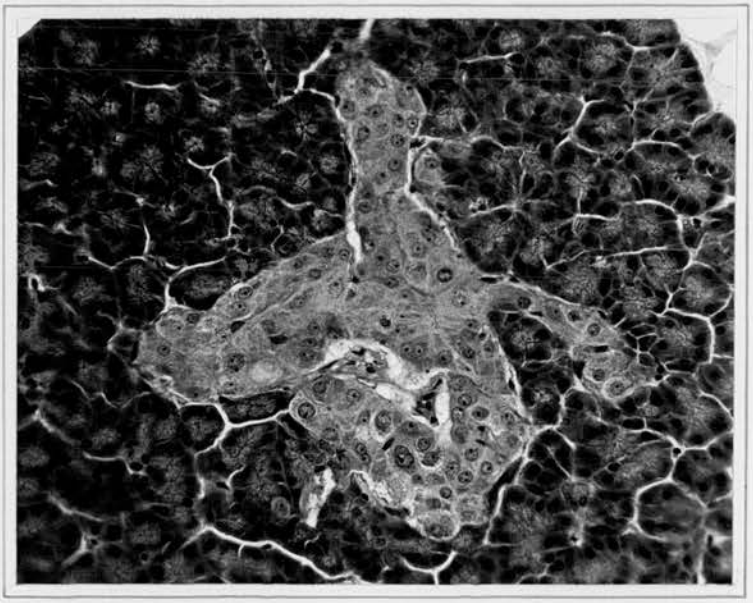

Fig. 51.

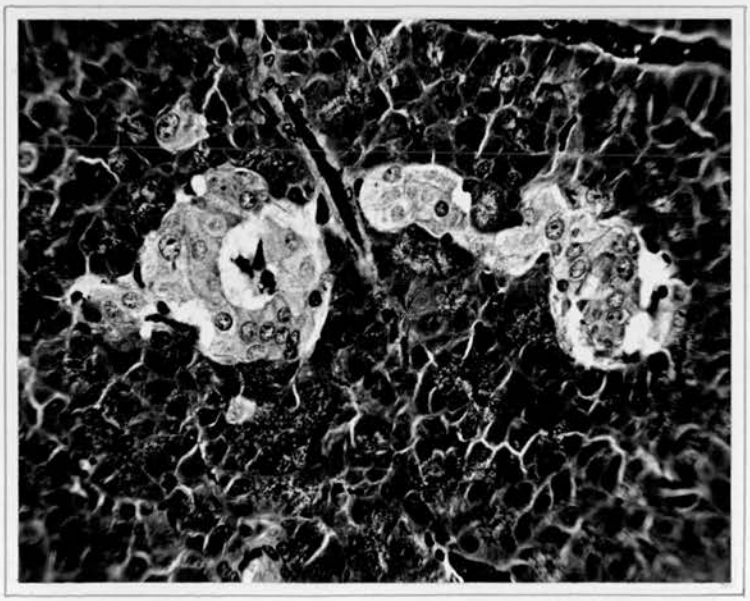

Fig. 52.

Figs. 51 (x 225) & 52 (x 350). Rabbit 45.
The islets show regenerative budding accompanied in the upper and lower figures respectively by very slight and moderately marked hydropic degeneration of the B-cells.
H.E.

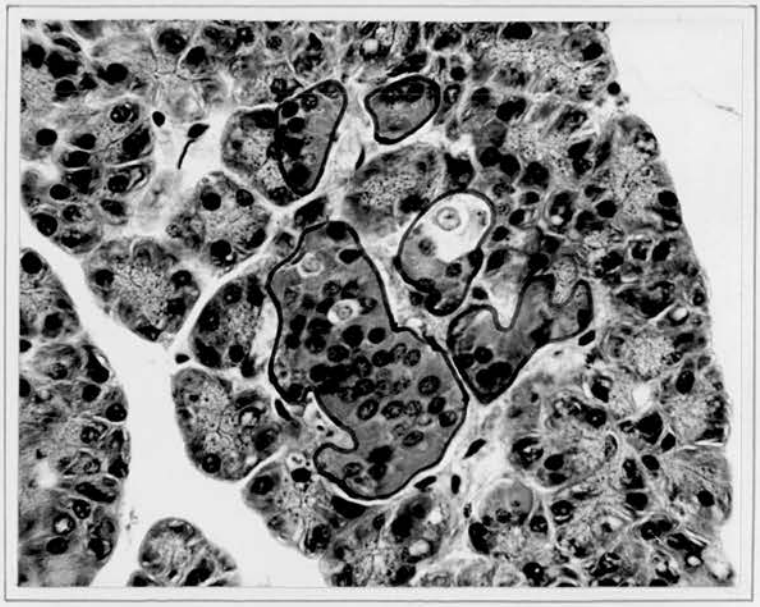

Fig. 53.

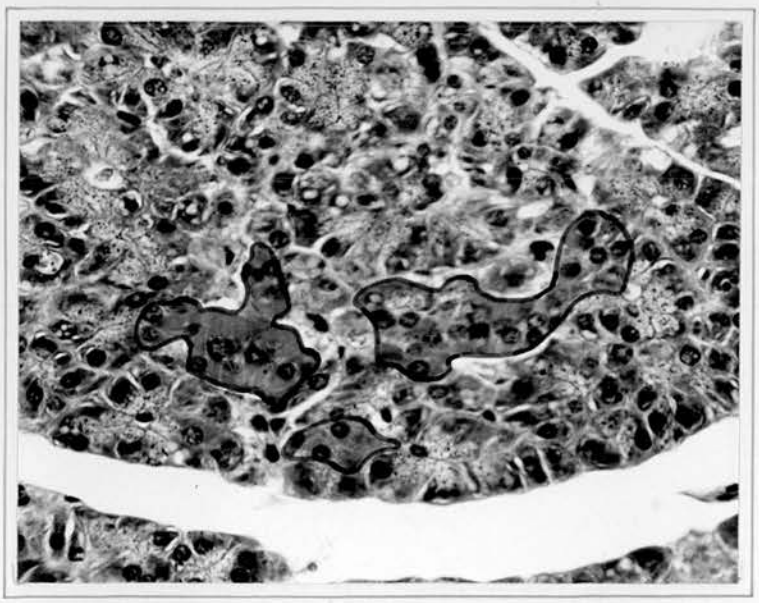

Fig. 54.

Figs. 53 & 54. Rabbit 43. The islets consist wholly of A-cells (except for one or two B-cells in Fig. 53) with appearances suggesting proliferation of the A-cells. H.E. x 525.

about equal proportions, while those in rabbit 45, although usually hydropic, were mostly so affected in only slight degree. Regenerating A - cell islets were very occasionally found in rabbits 35, 36, 37, 43 and 45, but never in rabbit 42.

(c) New islets from ducts. No related islets and ducts were observed in rabbits 36, 43, and 45, while rabbits 35, 37 and 42, in nearly the same amount of material, included respectively three, three and five examples of contiguous islets and ducts (Figs. 30, 37-40, 47-50). Now, the normal rabbit pancreas very rarely shows any apposed islets and ducts. Accordingly, a normal relation of islets and ducts was regarded as obtaining in rabbits 36, 43 and 45, whereas in rabbits 35, 37 and 42 the picture was interpreted as showing a growth of new islets from the ducts. These new units arose from the intralobular channels by a narrow or broad base, had sometimes budded into other masses, and apparently consisted wholly of B - cells. They were hydropic in rabbits 35 and 37, but structurally normal in rabbit 42. Two negative observations require mention. First, no mitotic figures were found either in enlarged pre-existing islets or in islets recently derived from ducts, and secondly, no local proliferation of the intralobular ducts was present in any pancreas.

(5) Hydropic degeneration of ducts. This condition was characterised, as in the islets, by serous swelling of the lining epithelium with nuclear displacement/

displacement (Figs. 55 and 56). It was found in both the interlobular and intralobular ducts, principally the latter, affecting anything from single cells to long segments, and was either gradual or abrupt in its appearance. The condition was more marked in rabbits 35, 36, 37 and 43 than in rabbits 42 and 45.

Discussion

Four of the five alloxan-diabetic rabbits (35, 37, 42 and 45), after varying amounts of treatment with anterior pituitary extract, showed evidence of improvement in their clinical state. This was striking in that marked hyperglycaemia and glycosuria were replaced by an almost normal or completely normal blood sugar and urine. The recovery, however, was transitory, and was followed by a reappearance and increase of the diabetic state. The administration of further extract did not subsequently influence the severity of the condition in rabbits 35, 37 and 42, whereas rabbit 45 continued to improve and regress after each of several more treatments. The four animals finally were - or would have become - as severely diabetic as they were before treatment with the extract.

Whether the temporary improvement of the four animals was spontaneous or due to the effects of the extract may be determined from the following observations. First, the fact that the four rabbits, after becoming almost or completely sugar - free/

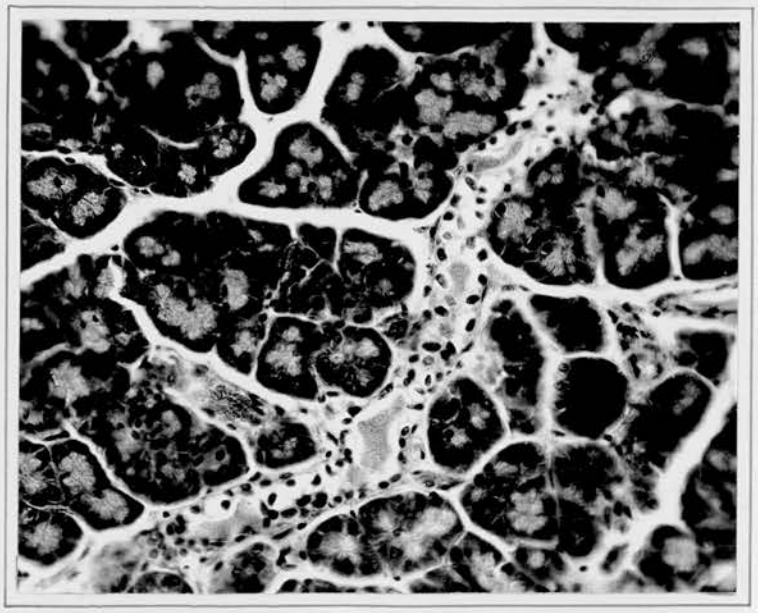

Fig. 55.

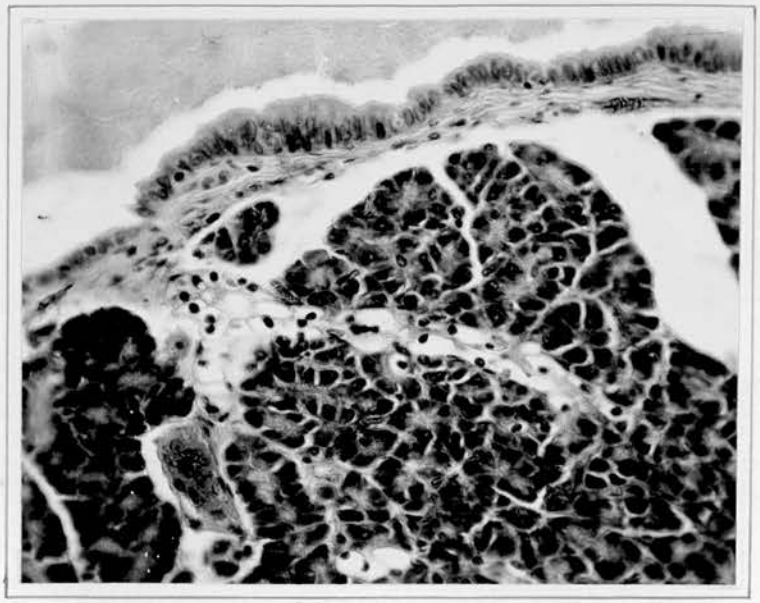

Fig. 56.

Figs. 55 (x 225) & 56 (x 275).
An interlobular duct in Fig. 55 and an intralobular duct in Fig. 56 show hydropic swelling of their lining epithelium. H.E.

free on one or more occasions, subsequently relapsed, indicates that the animals had an inherent tendency to remain diabetic and consequently had no capacity for spontaneous recovery. Secondly, the manner in which improvement followed soon after a given treatment was a feature of all four animals and particularly of rabbit 45 which promptly responded to each of 10 out of a total of 12 courses. Such a relationship obtaining in different animals and indeed often in the same rabbit could scarcely be fortiutous. Thirdly, the litter-mate rabbits 42 and 43 were made equally diabetic with alloxan. Left untreated, rabbit 43 never recovered and indeed became progressively more diabetic. With extract, rabbit 42, on the other hand, improved to the extent of having no glycosuria for one day, thereafter remaining permanently less diabetic than rabbit 43. Fourthly, alloxan-diabetic rabbits having blood-sugar levels comparable with those of the present series were noted by Kennedy and Lukens to remain without improvement for so long as they were kept under observation up to a maximum of nine months. Again, the alloxan-diabetes in their rabbits was described by Goldner and Gomori (1943) as permanent in character. On the basis of these facts, the transitory improvement which ensued in the four alloxan-diabetic rabbits with treatment may justifiably be regarded as an effect of the pituitary extract.

The/

The probable mechanism whereby anterior pituitary extract temporarily improved the four alloxan-diabetic animals is revealed in the difference between their pancreatic islets and those of the treated but unresponsive rabbit 36 and the untreated rabbit 43. All the rabbits showed degeneration of their islets, but regeneration of islet tissue was evident only in animals which recovered transitorily with treatment. The degenerative changes consisted of a reduction in the number and size of the islets, atrophy of the islets to groups of A- cells and hydrops of the B- cells. The first two of these were immediate effects of the alloxan in destroying the B- cells, while the third is regarded by Kennedy and Lukens as due to the prolonged hyperglycaemia. Support is given to the last view of the present investigation in that the hydropic state of the B- cells was more marked in association with the persistently higher glycaemias. Regeneration of the islets as indicated by marginal budding and suggestive new growth from the ducts was confirmed by the islets being on the average larger in treated rabbit 42 than in its untreated litter-mate 43. A similar enlargement of the islets following treatment with pituitary extract was observed in rats by Richardson and Young (1937-38) and in normal rabbits by Ogilvie (1944, 1944-46), who in one animal also noted (1944) proliferation of the small pancreatic ducts and differentiation of new islets therefrom. Further, Marks and Young (1939 /

(1939, 1940) have shown that the treatment with extract, which in rats doubles the amount of islet tissue, also produces twice the quantity of extractable insulin. Such effects on the pancreatic ducts and islets and on the insulin content have been attributed by Ogilvie (1944) to a pancreotropic factor in the extract. This factor, by increasing the islet tissue and available insulin, may consequently be regarded as responsible for the temporary recovery, in the present work, of four of the five treated alloxan- diabetic rabbits.

The improvement of the four rabbits ensued despite the more severe diabetes accompanying the administration of extract. The explanation is that the augmented condition during treatment was due to the prepared diabetogenic influence of the extract, while the pancreotropic factor, acting through the above mechanism, was naturally longer in coming into play and then was aided by the diabetogenic action having ceased to operate. On the other hand, the reason for the failure of rabbit 36 to improve with treatment undoubtedly lay in its islet tissue having been so depleted by the alloxan treatment as to be overstrained by the diabetogenic influence and consequently incapable of responding to the pancreotropic action of the extract. Finally, the temporary character of their recovery points to the limited sensitivity of the four responsive animals to the pancreotropic factor, while the way

in/

in which three of them failed to respond beneficially to treatment after temporary improvement suggests an actual loss of sensitivity to its action.

Suggestive regeneration of purely A- cell islets as noted rarely in this work has been reported by Gomori and Goldner (1943), Bailey et al. (1944) and Goldner and Gomori (1944). Here, it was observed in both treated and untreated rabbits, but not in a treated animal and would thus appear to be a spontaneous reparative phenomenon independent of treatment.

The hydropic condition of the small pancreatic ducts which has also been observed by others [vide Lukens (1948)] was more mar ked in those animals with high than in those with only moderately raised blood sugars. It might thus be regarded, like the hydrops of the B- cells, as secondary to the hyperglycaemia and so interpreted is supported by the occurrence of a similar condition in the pituitary diabetic dog as described by Richardson (1940). This suggestion, however, is queried by the fact that Richardson (1940) and Ogilvie (1944) have noted hydrops of the small pancreatic ducts in pituitary - treated animals which never showed glycosuria.

The present investigation is a corollary to the administration of alloxan to animals which have been (or were subsequently) subjected to hypo - physectomy. Such experiments have been carried out by/

by Duff and Starr [Duff (1945)], Gaarenstroom (1946-48), and Bailey et al. (1947), and indicate that alloxan has then little or no diabetogenic effect. The suppression of diabetes in the hypophysectomised - alloxanised animal, of course, is comparable with the ameliorating effect of hypophysectomy in animals made diabetic by pancreatectomy [Houssay and Biasotti (1930)]. These findings imply, and receive support from the fact, that anterior pituitary extract given to the present alloxan - diabetic animals often increased their diabetes. The temporarily beneficial effect of the extract in four animals, however, could not have been adduced from these experiments and has here been attributed to the limited sensitivity of the rabbit to the pancreotropic action of the extract.

Summary

(1) Six rabbits were made severely diabetic with alloxan. Five of them were then treated with crude anterior pituitary extract, while the sixth - a litter-mate of one of the treated animals - was kept as an untreated control.

(2) Four of the treated animals improved markedly. Recovery, however, was but temporary, and during the succeeding diabetes further extract did not influence the condition in three of the animals. The fourth continued to show improvement and regression after each of several additional courses of treatment.

(3)/

(3) Finally the five treated animals were, or obviously would have become, as severely diabetic as before treatment with extract. The control rabbit did not recover.

(4) The pancreatic islets of both treated and control rabbits showed a reduction in number and size, atrophy to groups of A- cells and hydropic degeneration of B- cells, while the islets of the four rabbits which recovered temporarily with extract also exhibited regeneration, as evidenced by enlargement and budding of the islets and a suggestive growth of new islets from the ducts.

(5) Hydropic degeneration of the B- cells was more marked in association with the persistently higher glycaemias.

(6) Hydropic degeneration was noted in the small pancreatic ducts of all the diabetic animals, whether treated or not.

(7) The temporary improvement of the four treated alloxan- diabetic rabbits is attributed to the pancreotropic action of the pituitary extract.

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PROTOCOLS.

RABBIT 35.

(MALE)

Rabbit 35.

Date.	Body weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly.-C.H.O.* per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g.%
30.12.44	2200	149	115 g. bran 300 g. cab. 12 g. hay	594	113	-	-
31.12.44	2200	177	85 g.bran 300 g. cab. 13 g. hay	503	94	-	-
1.1.45	2205	82	60 g.bran 285 g.cab. 15 g. hay	421	78	-	-
2.1.45	2185	92	90 g.bran 215 g.cab. 13 g. hay	464	90	-	-
3.1.45	2245	92	90 g.bran 270 g.cab. 13 g. hay	499	95	-	-
4.1.45	2220	152	120 g.bran 297 g.cab. 15 g. hay	617	118	-	-
5.1.45	2195	174	65 g.bran 300 g.cab. 12 g. hay	436	81	-	-
6.1.45	2200	93	100 g.bran 300 g.cab. 12 g. hay	547	103	-	-
7.1.45	2210	144	105 g.bran 300 g.cab. 13 g. hay	566	107	-	-
8.1.45	2215	68	110 g.bran 290 g.cab. 14 g. hay	580	110	-	-
9.1.45	2230	49	150 g.bran 250 g.cab. 13 g. hay	676	131	Blood Sugar Series.	

* = Polysaccharides.

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary Poly-C.H.O. * per 24 hr. in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg. %	Total Urine Ketones per 24 hr. in mg.	A.P.E.
30.12.44	-	-	-	-	-	-
31.12.45	-	-	-	-	-	-
1.1.45	-	-	-	-	-	-
2.1.45	-	-	-	-	-	-
3.1.45	-	-	-	-	-	-
4.1.45	-	-	-	-	-	-
5.1.45	-	-	-	-	-	-
6.1.45	-	-	-	Blank = 23	-	-
7.1.45	-	-	-	-	-	-
8.1.45	-	-	-	-	-	-
9.1.45	Alloxan	-	100 mg. per kg.	= 4.4 cc. (5% soln).-		

* = Polysaccharides.

29.

Rabbit 35.

Blood Sugar Series.

	Time.	Blood Sugar.
9.1.45	10 a.m.	107 mg.% (not fasting).
	Alloxan 100 mg. per kg. = 4.4 cc. (5% soln.)	
	11 a.m.	298 mg. %
	12 noon	319
	2 p.m.	304
	4 p.m.	304
	6 p.m.	298
10.1.45	10 a.m.	76 (not fasting)
	6 p.m.	343
11.1.45	10 p.m.	477 "
	6 p.m.	484
12.1.45	10 a.m.	514 "
	6 p.m.	500
13.1.45	10 a.m.	422 "

Composition of Diet.

	Bran.
Carbohydrate	63.0 %
Protein	10.6
Fat	1.5
Ash	4.0
Moisture	20.5

	Cabbage
Carbohydrate	10.3 %
Protein	2.9
Fat	0.9
Ash	1.3
Moisture	86.0

	Hay
Carbohydrate	75.0 %
Protein	2.9
Fat	0.5
Ash	3.2
Moisture	19.5

31.

Rabbit 35.

Date.	Body weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly.-C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g.%
10.1.45	2195	158	65 g.bran 295 g.cab. 10 g. hay	427	80	M. 76 E.343	4.7
11.1.45	2155	215	115 g.bran 300 g.cab. 8.g. hay	581	110	M.477 E.484	7.7
12.1.45	2185	300	80 g.bran 300 g.cab. 5 g. hay	461	85	M.514 E.500	8.8
13.1.45	2125	295	150 g.bran 280 g.cab. 5 g. hay	669	128	M.422	12.2
14.1.45	2120	279	65 g.bran 300 g.cab. 6 g. hay	417	77	-	8.8
15.1.45	2140	257	130 g.bran 285 g.cab. 7 g. hay	616	117	415	12.2
16.1.45	2140	315	140 g.bran 300 g.cab. 12 g. hay	673	129	-	12.9
17.1.45	2135	299	135 g.bran 300 g.cab. 13 g. hay	660	126	456	8.2
18.1.45	2160	250	130 g.bran 290 g.cab. 5 g. hay	613	116	-	7.6
19.1.45	2085(f)	192	115 g.bran 220 g.cab. 4 g. hay	517	99	395 (f)	7.0
20.1.45	2110	260	150 g.bran 300 g.cab. 10 g. hay	699	134	-	6.4
21.1.45	2110	263	100 g.bran 300 g.cab. 5 g. hay	524	98	-	7.0
22.1.45	2125	272	150 g.bran 300 g.cab. 12 g. hay	705	135	-	5.9

(f) = fasting.

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary Poly.-C.H.O. per 24 hr. in g.	% age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg. %	Total Urine Ketones per 24 hr. in mg.	A.P.E.
10.1.45	8	7	9	-	-	-
11.1.45	16	15	14	-	-	-
12.1.45	26	24	28	-	-	-
13.1.45	37	33	26	-	-	-
14.1.45	25	22	29	68	126	-
15.1.45	32	29	25	44	55	-
16.1.45	41	37	29	36	42	-
17.1.45	25	22	17	-	-	-
18.1.45	19	17	15	-	-	-
19.1.45	13	12	12	-	-	-
20.1.45	16	15	11	-	-	-
21.1.45	18	16	16	-	-	-
22.1.45	16	14	10	-	-	-

Rabbit 35.

Date.	Body weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly.-C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g.%
23.1.45	2130	278	105 g.bran 300g.cab. 11 g. hay	560	105	-	7.2
24.1.45	2145	297	105 g.bran 300 g. cab 10 g. hay	557	105	-	6.7
25.1.45	2165	268	125 g.bran 300 g.cab. 11 g. hay	623	118	-	7.8
26.1.45	2145	207(f)	115 g.bran 255 g.cab. 2 g. hay	533	102	402(f)	7.6
27.1.45	2175	232	165 g.bran 300 g.cab. 13 g.hay	755	146	-	6.2
28.1.45	2125	270	145 g.bran 300 g.cab. 13 g. hay	692	133	-	6.0
29.1.45	2135	316	170 g.bran 300 g.cab. 12 g. hay	768	148	-	5.9
30.1.45	2165	320	140 g.bran 300 g.cab. 11 g. hay	670	128	-	6.5
31.1.45	2190	230	155 g.bran 300 g.cab. 12 g.hay	721	138	-	7.3
1.2.45	2165	255	150 g.bran 300 g.cab. 13 g. hay	708	136	-	7.5
2.2.45	2120	210(f)	120 g.bran 270 g.cab. 3 g. hay	562	106	412 (f)	7.8
3.2.45	2175	226	145 g.bran 300 g.cab. 12 g. hay	689	132	-	7.0
4.2.45	2170	262	140 g.bran 300 g.cab. 13 g. hay	676	130	-	8.6
5.2.45	2130	285	150 g.bran 300 g.cab. 10 g. hay	699	134	-	7.9

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary Poly.-C.H.O. per 24hr. in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
23.1.45	20	18	17	-	-	-
24.1.45	20	18	17	-	-	-
25.1.45	21	19	16	-	-	-
26.1.45	16	14	14	-	-	-
27.1.45	14	13	9	-	-	-
28.1.45	16	15	11	-	-	-
29.1.45	19	17	11	-	-	-
30.1.45	21	19	15	-	-	-
31.1.45	17	15	11	-	-	-
1.2.45	20	18	13	-	-	-
2.2.45	16	15	14	-	-	-
3.2.45	16	15	11	-	-	-
4.2.45	22	20	15	-	-	-
5.2.45	23	21	16	-	-	-

35.

Rabbit 35.

Date.	Body weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly.-C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g.%
6.2.45	2165	253	130 g.bran 300 g.cab. 13 g. hay	645	123	-	8.2
7.2.45	2175	278	145 g.bran 300 g.cab. 14 g. hay	696	134	-	7.0
8.2.45	2170	291	130 g.bran 300 g.cab. 11 g. hay	639	121	-	7.3
9.2.45	2140	236(f)	90 g.bran 300 g.cab. 9 g. hay	505	95	454 (f)	7.0
10.2.45	2140	309(f)	140 g.bran 300 g.cab. 13 g. hay	676	130	473(f)	6.8
11.2.45	2130	340	135 g.bran 300 g.cab. 4 g. hay	631	119	-	7.5
12.2.45	2140	278	140 g.bran 300 g.cab. 14 g. hay	680	131	-	7.8
13.2.45	2195	265	135 g.bran 300 g. cab 14 g. hay	664	127	-	4.7
14.2.45	2180	332	160 g.bran 300 g.cab. 14 g.hay	743	143	-	4.4
15.2.45	2215	241	95 g.bran 300 g.cab. 14 g. hay	539	102	-	8.8
16.2.45	2170	275(f)	75 g.bran 300 g.cab. 15 g. hay	478	89	412(f)	10.0
17.2.45	2155	348	85 g.bran 300 g.cab. 15 g. hay	510	95	-	8.8
18.2.45	2215	361	90 g.bran 300 g.cab. 14 g. hay	522	99	-	8.2
19.2.45	2215	283	110 g.bran 300 g.cab. 15 g. hay	589	111	-	10.5

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary Poly.-C.H.O. per 24 hr in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg. %	Total Urine Ketones per 24 hr. in mg.	A.P.E.
6.2.45	21	19	15	-	-	-
7.2.45	20	18	13	-	-	-
8.2.45	21	19	16	-	-	-
9.2.45	17	15	16	-	-	-
10.2.45	21	19	15	-	-	-
11.2.45	26	23	19	-	-	-
12.2.45	22	20	15	-	-	-
13.2.45	13	11	9	-	-	-
14.2.45	15	13	9	-	-	0.5 g.p.k. (2.2cc)
15.2.45	21	19	19	40	41	0.5 g.p.k.(2.2cc)
16.2.45	28	25	29	98	210	0.5 g.p.k.(2.2 cc)
17.2.45	31	28	30	120	340	0.5 g.p.k.(2.2 cc)
18.2.45	30	27	27	70	169	0.5 g.p.k.(2.2 cc)
19.2.45	29	27	24	30	20	0.5 g.p.k.(2.2 cc)

Rabbit 35.

Date.	Body weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly.-C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g.%
20.2.45	2205	273	50 g.bran 300 g.cab. 13 g. hay	392	72	-	9.4
21.2.45	2205	335	115 g.bran 300 g. cab. 13 g. hay	597	114	-	8.5
22.2.45	2275	320	115 g.bran 300 g. cab. 11 g. hay	591	112	-	10.9
23.2.45	2230	256(f)	80 g.bran 300 g.cab. 13 g. hay	487	91	456(f)	6.7
24.2.45	2325	308	110 g.bran 300 g.cab. 11 g. hay	576	108	-	8.8
25.2.45	2240	357	120 g.bran 300 g.cab. 12 g. hay	610	116	-	8.2
26.2.45	2255	288	135 g.bran 300 g.cab. 10 g.hay	651	124	-	8.2
27.2.45	2225	312	125 g.bran 300 g.cab. 13 g. hay	629	120	-	7.8
28.2.45	2205	325	130 g.bran 300 g.cab. 14 g. hay	649	124	-	7.2
1.3.45	2165	359	145 g.bran 300 g.cab. 13 g. hay	692	133	-	8.8
2.3.45	2120	305(f)	150 g.bran 300 g. cab 10 g. hay	699	134	463(f)	8.0
3.3.45	2155	278	170 g.bran 300 g.cab. 11 g. hay	765	147	-	8.8
4.3.45	2115	343	150 g.bran 300 g.cab. 10 g. hay	699	134	-	7.3
5.3.45	2210	354	175 g.bran 450 g.cab. 10 g. hay	874	165	-	8.0

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary Poly.-C.H.O. per 24 hr. in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg. %	Total Urine Ketones per 24 hr. in mg.	A.P.E.
20.2.45	25	23	32	-	-	0.5 g.p.k.(2.2 cc)
21.2.45	29	26	23	-	-	0.5 g.p.k.(2.2cc)
22.2.45	35	31	28	-	-	0.5 g.p.k.(2.3cc)
23.2.45	17	16	18	-	-	0.5 g.p.k.(2.3cc)
24.2.45	27	25	23	-	-	-
25.2.45	30	27	23	-	-	-
26.2.45	24	21	17	-	-	-
27.2.45	24	22	18	-	-	-
28.2.45	24	21	17	-	-	-
1.3.45	32	29	22	-	-	-
2.3.45	25	22	16	-	-	-
3.3.45	25	22	15	-	-	-
4.3.45	25	22	16	-	-	-
5.3.45	28	25	15	-	-	-

39.

Rabbit 35.

Date.	Body weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly.-C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g.%
6.3.45	2235	377	165 g.bran 450 g.cab. 10 g. hay	842	159	-	7.3
7.3.45	2205	423	160 g.bran 450 g.cab. 4 g. hay	806	150	-	8.8
8.3.45	2175	388	175 g.bran 450 g.cab. 11 g. hay	877	165	-	8.8
9.3.45	2200	360 (f)	150 g.bran 530 g.cab. 5 g. hay	829	153	429 (f)	8.2
10.3.45	2275	408	160 g.bran 600 g.cab. 8 g.hay	915	168	-	7.8
11.3.45	2200	500	170 g.bran 600 g.cab. 10 g.hay	954	177	-	8.1
12.3.45	2245	324	120 g.bran 475 g.cab. 13 g. hay	725	135	-	8.0
13.3.45	2210	347	110 g.bran 520 g.cab. 13 g. hay	723	132	-	7.6
14.3.45	2210	380	160 g.bran 545 g.cab. 11 g. hay	890	165	-	8.0
15.3.45	2215	350	85 g.bran 520 g.cab. 12 g. hay	641	115	-	7.6
16.3.45	2165	205 (f)	75 g.bran 365 g.cab. 10 g. hay	504	93	451 (f)	8.0
17.3.45	2195	320	90 g.bran 560 g.cab. 15 g. hay	691	125	-	6.8
18.3.45	2190	358	115 g.bran 590 g.cab. 13 g. hay	783	143	-	7.0
19.3.45	2115	408	110 g.bran 560 g.cab. 15 g. hay	755	137	-	6.7
20.3.45	2185	335	90 g.bran 595 g.cab. 15 g. hay	714	129	-	7.7

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary Poly.-C.H.O. per 24 hr. in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg. %	Total Urine Ketones per 24 hr. in mg.	A.P.E.
6.3.45	28	25	16	-	-	-
7.3.45	37	33	22	-	-	-
8.3.45	34	31	19	-	-	-
9.3.45	30	27	18	-	-	-
10.3.45	32	29	17	-	-	-
11.3.45	41	37	21	-	-	-
12.3.45	25	22	16	-	-	-
13.3.45	27	24	18	-	-	-
14.3.45	30	27	16	-	-	-
15.3.45	27	24	21	-	-	-
16.3.45	17	15	16	-	-	-
17.3.45	22	20	16	-	-	-
18.3.45	25	23	16	-	--	-
19.3.45	28	25	18	-	-	0.5 g.p.k.(2.1cc)
20.3.45	26	24	19	-	-	0.5 g.p.k.(2.2cc)

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Rabbit 35.

Date.	Body weight in g.	Urine Volume per 24 hr.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly.-C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g.%
21.3.45	2230	357	100 g.bran 590 g.cab. 12 g. hay	733	132	-	4.7
22.3.45	2240	297	165 g.bran 545 g.cab. 14 g. hay	916	172	-	7.7
23.3.45	2220	475	125 g.bran 600 g.cab. 14 g. hay	825	151	-	6.9
24.3.45	2195	420	85 g.bran 580 g.cab. 11 g. hay	676	120	-	6.2
25.3.45	2235	320	90 g.bran 575 g.cab. 14 g. hay	698	127	-	7.7
26.3.45	2225	413	140 g.bran 590 g.cab. 14 g. hay	866	160	-	7.2
27.3.45	2225	399	100 g.bran 570 g.cab. 14 g. hay	727	132	-	8.4
28.3.45	2160	510	40 g.bran 600 g.cab. 15 g. hay	559	97	-	3.3
29.3.45	2220	324	145 g.bran 505 g.cab. 15 g. hay	830	155	-	9.2
30.3.45	2175	317 (f)	115 g.bran 470 g.cab. 13 g. hay	706	131	362 (f)	6.7
31.3.45	2195	446	140 g.bran 600 g.cab. 11 g. hay	862	158	-	6.4
1.4.45	2175	380	135 g.bran 560 g.cab. 13 g. hay	826	152	-	8.2
2.4.45	2195	390	120 g.bran 570 g.cab. 14 g. hay	790	145	-	7.8
3.4.45	2180	385	145 g.bran 505 g.cab. 14 g. hay	827	155	-	7.8
4.4.45	2185	383	140 g.bran 560 g.cab. 14 g. hay	846	157	-	8.2

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary Poly.-C.H.O. per 24 hr. in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg. %	Total Urine Ketones per 24 hr. in mg.	A.P.E.
21.3.45	17	15	11	-	-	0.5 g.p.k. (2.2cc)
22.3.45	23	21	12	-	-	0.5 g.p.k.(2.2cc)
23.3.45	33	30	19	-	-	0.5 g.p.k.(2.2cc)
24.3.45	26	23	19	-	-	0.5 g.p.k.(2.2cc)
25.3.45	25	22	17	-	-	0.5 g.p.k.(2.2cc)
26.3.45	30	27	17	-	-	0.5 gp.k. (2.2cc)
27.3.45	34	30	23	-	-	0.5 g.p.k.(2.2cc)
28.3.45	17	15	16	-	-	0.5 g.p.k.(2.2cc)
29.3.45	29	27	17	-	-	-
30.3.45	21.	19	15	-	-	-
31.3.45	29	26	16	-	-	-
1.4.45	31	28	18	-	-	-
2.4.45	30	27	18	-	-	-
3.4.45	30	27	17	-	-	-
4.4.45	31	28	18	-	-	-

43.
Rabbit 35.

Date	Body weight in g.	Urine Volume per 24 hr.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly.-C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g.%
5.4.45	2190	363	145 g.bran 525 g.cab. 14 g. hay	840	157	-	7.5
6.4.45	2150	410	125 g.bran 588 g.cab. 15 g. hay	822	150	-	4.6
7.4.45	2180	375	125 g.bran 530 g.cab. 10 g. hay	767	141	-	8.2
8.4.45	2200	315	165 g.bran 500 g.cab. 14 g. hay	887	167	-	7.8
9.4.45	2225	377	85 g.bran 550 g.cab. 7 g. hay	644	114	-	8.8
10.4.45	2235	360	170 g.bran 555 g.cab. 13 g. hay	934	175	-	7.8
11.4.45	2250	417	135 g.bran 595 g.cab. 12 g. hay	846	155	-	6.4
12.4.45	2270	380	150 g.bran 555 g.cab. 13 g. hay	871	162	-	7.8
13.4.45	2230	(f)325	155 g.bran 430 g.cab. 8 g. hay	791	148	354 (f)	7.8
14.4.45	2290	340	135 g.bran 550 g.cab. 11 g. hay	814	149	-	6.4
15.4.45	2270	488	165 g.bran 600 g.cab. 2 g. hay	912	168	-	5.9
16.4.45	2295	410	125 g.bran 600 g.cab. 7 g. hay	806	145	-	6.4
17.4.45	2285	342	145 g.bran 590 g.cab. 8. g. hay	862	158	-	7.0
18.4.45	2260	520	140 g.bran 600 g.cab. 4.g. hay	839	153	-	7.0
19.4.45	2300	375	140 g.bran 590 g. cab. 11 g. hay	856	157	-	8.8

44.

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary Poly.-C.H.O. per 24 hr. in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
5.4.45	27	24	15	-	-	-
6.4.45	19	17	11	-	-	-
7.4.45	31	28	20	-	-	-
8.4.45	25	23	13	-	-	-
9.4.45	33	30	26	-	-	-
10.4.45	28	25	14	-	-	-
11.4.45	27	24	15	-	-	-
12.4.45	30	27	17	-	-	-
13.4.45	26	23	16	-	-	-
14.4.45	22	20	13	-	-	-
15.4.45	29	26	15	-	-	-
16.4.45	26	24	17	-	-	-
17.4.45	24	21	13	-	-	-
18.4.45	36	33	22	-	-	-
19.4.45	33	30	19	-	-	-

Rabbit 35.

Date.	Body weight in g.	Urine Volume per 24 hr.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly.-C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g.%
20.4.45	2260	267 (f)	135 g.bran 410 g.cab. 3 g. hay	698	129	474 (f)	8.2
21.4.45	2335	340	140 g.bran 525 g.cab. 14 g. hay	824	154	-	8.2
22.4.45	2325	379	140 g.bran 530 g.cab. 2 g. hay	788	145	-	7.8
23.4.45	2330	392	130 g.bran 590 g.cab. 11 g.hay	825	150	-	7.2
24.4.45	2325	464	130 g.bran 600 g.cab. 3 g. hay	805	145	-	8.2
25.4.45	2375	340	90 g.bran 585 g.cab. 4 g. hay	671	120	-	9.4
26.4.45	2340	450	120 g.bran 590 g.cab. 4 g. hay	770	139	-	6.7
27.4.45	2265	301	125 g.bran 395 g.cab. 1 g. hay	651	121	-	8.2
28.4.45	2265	250(f)	90 g.bran 405 g.cab. 7 g. hay	566	104	485(f)	8.2
29.4.45	2320	288	105 g.bran 540 g.cab. 4 g. hay	691	124	-	8.2
30.4.45	2365	369	130 g.bran 550 g.cab. 9.g. hay	792	145	-	11.6
1.5.45	2415	480	140 g.bran 560 g. cab. 10 g. hay	833	154	-	8.2
2.5.45	2425	529	130 g.bran 535 g.cab. 7 g. hay	776	142	-	8.8
3.5.45	2440	510	150 g.bran 595 g.cab. 7 g. hay	878	161	-	8.8
4.5.45	2430	484	115 g.bran 575 g. cab. 8 g. hay	757	138	-	9.4

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary Poly.-C.H.O. per 24 hr in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg. %	Total Urine Ketones per 24 hr. in mg.	A.P.E.
20.4.45	22	20	16	-	-	-
21.4.45	28	25	16	-	-	-
22.4.45	30	27	19	-	-	-
23.4.45	28	25	17	-	-	-
24.4.45	38	34	23	-	-	-
25.4.45	32	29	24	-	-	-
26.4.45	30	27	19	-	-	-
27.4.45	25	22	18	-	-	-
28.4.45	21	19	18	-	-	0.5 g.p.k.(4.6 cc)
29.4.45	24	21	17	-	-	0.5 g.p.k.(4.6 cc)
30.4.45	43	39	27	-	-	0.5 g.p.k.(4.8 cc)
1.5.45	39	35	23	-	-	0.5 g.p.k.(4.8cc)
2.5.45	47	42	30	-	-	0.5 g.p.k. (4.8cc)
3.5.45	45	40	25	-	-	0.5 g.p.k.(4.8 cc)
4.5.45	45	40	29	-	-	0.5 g.p.k. (4.8cc)

Rabbit 35.

Date.	Body weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly.-C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g.%
5.5.45	2435	411	135 g.bran 560 g.cab. 5 g. hay	800	146	-	7.8
6.5.45	2400	371	115 g.bran 520 g. cab. 3 g. hay	706	128	-	11.1
7.5.45	2435	370	120 g.bran 575 g.cab. 8 g. hay	773	141	-	9.4
8.5.45	2460	347	135 g.bran 590 g.cab. 10 g. hay	837	153	-	8.8
9.5.45	2425	400	115 g.bran 540 g.cab. 1 g. hay	712	129	-	7.8
10.5.45	2345	304(f)	120 g.bran 305 g.cab. 1 g. hay	577	109	441 (f)	8.8
11.5.45	2360	395	135 g.bran 555 g.cab. 3 g. hay	791	144	-	7.8
12.5.45	2325	462	125 g.bran 595 g.cab. 10 g. hay	809	148	-	7.8
13.5.45	2295	453	121 g.bran 600 g.cab. 8 g. hay	789	143	-	5.8
14.5.45	2295	482	125 g.bran 600 g.cab. 8 g. hay	805	146	-	6.9
15.5.45	2300	456	115 g.bran 595 g.cab. 7 g. hay	767	139	-	7.7
16.5.45	2340	436	135 g.bran 600 g.cab. 9 g. hay	839	153	-	7.7
17.5.45	2295	456	90 g.bran 590 g.cab. 8 g. hay	688	123	-	6.1
18.5.45	2220	439(f)	95 g.bran 430 g.cab. 7 g. hay	599	109	409 (f)	4.9
19.5.45	2235	466	85 g.bran 600 g.cab. 9 g. hay	682	121	-	6.1

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary Poly.-C.H.O. per 24 hr. in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
5.5.45	32	29	20	-	-	0.5 g.p.k.(4.8cc)
6.5.45	41	37	29	-	-	0.5 g.p.k.(4.8cc)
7.5.45	35	31	22	-	-	0.5 gp.k.(4.8cc)
8.5.45	31	28	18	-	-	-
9.5.45	31	28	22	-	-	-
10.5.45	26	24	22	-	-	-
11.5.45	31	28	19	-	-	-
12.5.45	36	32	22	-	-	-
13.5.45	26	24	17	-	-	-
14.5.45	33	30	21	-	-	-
15.5.45	35	32	23	-	-	-
16.5.45	34	31	20	-	-	-
17.5.45	28	25	20	-	-	-
18.5.45	22	19	17	-	-	-
19.5.45	29	26	21	-	-	-

Rabbit 35.

Date.	Body weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly.-C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g.%
20.5.45	2265	465	108 g.bran 600 g.cab. 8 g. hay	758	136	-	6.6
21.5.45	2270	471	75 g.bran 590 g.cab 6 g. hay	635	112	-	6.6
22.5.45	2270	459	85 g.bran 590 g.cab. 12 g. hay	686	122	-	6.2
23.5.45	2275	411	105 g.bran 595 g.cab. 6 g. hay	733	132	-	6.9
24.5.45	2250	508	95 g.bran 600 g.cab. 13 g. hay	727	131	-	6.3
25.5.45	2215	365 (f)	65 g.bran 470 g. cab 9 g. hay	535	96	412 (f)	5.2
26.5.45	2245	452	75 g.bran 600 g.cab. 11 g.hay	657	116	-	3.3
27.5.45	2275	463	98 g.bran 575 g.cab. 9 g. hay	713	129	-	4.4
28.5.45	2275	377	110 g.bran 520 g.cab. 9 g.hay	710	129	-	4.7
29.5.45	2325	283	70 g.bran 485 g.cab. 10 g. hay	564	102	-	5.7
30.5.45	2280	391	45 g.bran 545 g.cab. 9 g. hay	520	91	-	5.7
31.5.45	2315	389	75 g.bran 590 g.cab. 5 g. hay	631	111	-	7.8
1.6.45	2295	413	70 g.bran 555 g.cab. 8 g. hay	602	107	-	7.8
2.6.45	2265	418	40 g.bran 575 g.cab. 7 g. hay	517	89	-	6.7
3.6.45	2280	406	35 g.bran 550 g.cab. 5 g. hay	479	81	-	6.7

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr.	Total Urinary Poly.-C.H.O. per 24 hr in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr.	A.P.E.
20.5.45	31	28	21	-	-	-
21.5.45	31	28	25	-	-	-
22.5.45	29	26	21	-	-	-
23.5.45	28	25	19	-	-	-
24.5.45	32	29	22	-	-	-
25.5.45	19	17	18	-	-	-
26.5.45	15	13	11	-	-	-
27.5.45	20	18	14	-	-	-
28.5.45	18	16	12	-	-	0.5 g.p.k. (4.6cc)
29.5.45	16	14	14	-	-	0.5 g.p.k. (4.6cc)
30.5.45	22	20	22	-	-	0.5 g.p.k. (4.6cc)
31.5.45	30	27	24	-	-	0.5 g.p.k. (4.6cc)
1.6.45	32	29	27	-	-	0.5 g.p.k. (4.6cc)
2.6.45	28	25	28	-	-	0.5 g.p.k. (4.6cc)
3.6.45	28	25	31	-	-	0.5. g.p.k.(4.6cc)

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Rabbit 35.

Date.	Body weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly.-C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g. %
4.6.45	2290	421	50 g.bran 565 g. cab. 8 g. hay	546	95	-	5.9
5.6.45	2285	393	30 g.bran 475 g.cab. 10 g. hay	432	75	-	4.3
6.6.45	2275	339	75 g.bran 415 g.cab. 6 g. hay	523	95	-	7.3
7.6.45	2220	156(f)	50 g.bran 205 g.cab. 7 g. hay	312	58	403 (f)	8.2
8.6.45	2215	270	55 g.bran 395 g.cab. 10 g. hay	460	83	-	8.2
9.6.45	2235	284	100 g.bran 435 g.cab. 6 g. hay	614	113	-	8.8
10.6.45	2220	375	65 g.bran 500 g.cab. 4 g. hay	538	95	-	7.3
11.6.45	2215	288	95 g.bran 440 g.cab. 4 g. hay	596	108	-	7.3
12.6.45	2205	321	80 g.bran 420 g.cab. 6 g. hay	542	98	-	6.7
13.6.45	2220	300	85 g.bran 445 g.cab. 14 g. hay	600	110	-	7.0
14.6.45	2250	255	60 g.bran 400 g.cab. 5 g. hay	462	82	-	6.7
15.6.45	2240	230	50 g.bran 350 g.cab. 7 g. hay	405	72	-	4.2
16.6.45	2230	336	40 g.bran 475 g.cab. 7 g. hay	453	79	-	4.0
17.6.45	2255	268	40 g.bran 450 g.cab. 7 g. hay	437	76	-	4.6

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr.	Total Urinary Poly.-C.H.O. per 24 hr. in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr.	A.P.E.
4.6.45	25	22	23	-	-	0.5 g.p.k. (4.6cc)
5.6.45	17	15	20	-	-	0.5 g.p.k. (4.6cc)
6.6.45	25	22	23	-	-	0.5 g.p.k. (4.6cc)
7.6.45	13	12	21	-	-	-
8.6.45	22	20	24	-	-	-
9.6.45	25	22	19	-	-	-
10.6.45	28	25	26	-	-	-
11.6.45	21	19	18	-	-	-
12.6.45	21	19	19	-	-	-
13.6.45	21	19	17	-	-	-
14.6.45	17	16	20	-	-	-
15.6.45	10	9	13	-	-	-
16.6.45	14	12	15	-	-	-
17.6.45	12	11	14	-	-	-

Rabbit 35.

Date.	Body weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly.-C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g.%
18.6.45	2240	203	65 g.bran 345 g.cab. 4 g.hay 20 cc.water	439	80	-	4.4
19.6.45	2250	257	75 g.bran 430 g.cab. 11 g. hay 7 cc.water	548	99	-	4.4
20.6.45	2285	218	60 g.bran 390 g.cab. 13 g. hay 16 cc.water	482	87	-	6.4
21.6.45	2255	357	35 g.bran 510 g.cab. 11 g. hay 20 cc.water	473	81	-	4.4
22.6.45	2250	266	40 g.bran 410 g.cab. 13 g. hay 40 cc.water	430	77	-	4.4
23.6.45	2280	217	20 g.bran 400 g.cab. 10 g.hay 18 cc.water	352	61	-	4.4
24.6.45	2280	310	30 g.bran 470 g.cab. 6.g.hay 18 cc.water	416	71	-	3.7
25.6.45	2250	284	40 g.bran 435 g.cab. 7 g. hay 29 cc.water	427	75	-	4.0
26.6.45	2225	238	35 g.bran 355 g.cab. 6 g. hay 24 cc.water	358	63	-	3.7
27.6.45	2265	197	35 g.bran 370 g.cab. 10 g. hay 20 cc.water	381	67	-	4.2
28.6.45	2215	191 (f)	20 g.bran 235 g.cab. 6 g. hay 16 cc.water	233	42	244 (f)	2.4
29.6.45	2255	223	30 g.bran 395 g.cab. 7 g. hay 9 cc.water	371	64	-	2.8

54.

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr.	Total Urinary Poly.-C.H.O. per 24 hr. in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr.	A.P.E.
18.6.45	9	8	10	-	-	-
19.6.45	11	10	10	-	-	-
20.6.45	14	13	15	-	-	-
21.6.45	16	14	17	-	-	-
22.6.45	12	11	14	-	-	-
23.6.45	10	9	14	-	-	-
24.6.45	11	10	14	-	-	-
25.6.45	11	10	13	-	-	-
26.6.45	9	8	13	-	-	-
27.6.45	8	8	12	-	-	-
28.6.45	5	4	10	-	-	-
29.6.45	6	6	9	-	-	-

55.
Rabbit 35.

Date.	Body weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly.-C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g.%
30.6.45	2220	239 (f)	20 g.bran 335 g.cab. 8 g. hay 10 cc.water	303	53	276 (f)	3.1
1.7.45	2280	296	27 g.bran 480 g.cab. 3 g. hay 18 cc.water	396	66	-	3.5
2.7.45	2310	237	25 g.bran 355 g.cab. 8 g.hay 16 cc.water	332	58	-	3 .5
3.7.45	2335	246	15 g.bran 415 g.cab. 11 g.hay 15 cc.water	349	60	-	1.8
4.7.45	2405	219	10 g.bran. 405 g.cab. 6 g. hay 12 cc.water	311	52	-	2.0
5.7.45	2425	222	10 g.bran 345 g.cab. 8 g.hay 20 cc.water	279	47	-	1.4
6.7.45	2450	213	5 g.bran 410 g.cab. 5 g. hay 13 cc.water	294	48	-	1.5
7.7.45	2330	342	15 g.bran 390 g.cab. 5 g. hay 12 cc.water	313	53	-	0.9
8.7.45	2275	225	25 g.bran 295 g.cab. 3 g.hay 14 cc.water	278	48	-	1.2
9.7.45	2325	287	25 g.bran 450 g.cab. 8 g.hay 15 cc.water	393	67	-	2.1
10.7.45	2300	224	50 g.bran 345 g.cab. 11 g.hay 12 cc.water	415	75	-	2.4
11.7.45	2320	289	45 g.bran 475 g. cab. 10 g.hay 14 cc. water	479	85	-	0.1

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr.	Total Urinary Poly.-C.H.O. per 24 hr. in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr.	A.P.E.
30.6.45	7	7	13	-	-	-
1.7.45	11	10	15	-	-	-
2.7.45	8	8	14	-	-	0.5 g.p.k.(4.6cc)
3.7.45	5	4	7	-	-	0.5 g.p.k.(4.6cc)
4.7.45	4	4	8	-	-	0.5 g.p.k.(4.8cc)
5.7.45	3	3	6	-	-	0.5 g.p.k.(4.8cc)
6.7.45	3	3	6	-	-	0.5 g.p.k.(5.0cc)
7.7.45	3	3	6	-	-	0.5 g.p.k.(4.6cc)
8.7.45	3	3	6	-	-	0.5 g.p.k.(4.6cc)
9.7.45	6	6	9	-	-	0.5 g.p.k.(4.6cc)
10.7.45	5	5	7	-	-	0.5 g.p.k.(4.6cc)
11.7.45	0.3	0.3	0.4	-	-	0.5 g.p.k.(4.6cc)

Date	Body weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly.-C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g.%
12.7.45	2330	381	25 g.bran 525 g.cab. 5 g. hay 12 cc.water	431	73	-	1.8
13.7.45	2310	349	25 g.bran 530 g.cab. 5 g.hay 4 cc.water	434	73	-	0.9
14.7.45	2305	212	30 g.bran 425 g.cab. 10 g.hay 7 cc.water	400	70	-	1.8
15.7.45	2285	271	10 g.bran 480 g.cab. 8 g.hay 10 cc.water	365	60	-	-
16.7.45	2550	330	20 g.bran 455 g.cab. 7 g.hay 11 cc.water	377	64	-	-
17.7.45	2250	340	45 g.bran 535 g.cab. 9 g.hay 12 cc.water	513	90	-	-
18.7.45	2275	252	55 g.bran 450 g.cab. 13 g.hay 14 cc.water	504	90	-	1.0
19.7.45	2300	235	45 g.bran 440 g.cab. 9 g.hay 16 cc.water	453	80	-	3.3
20.7.45	2295	278	60 g.bran 445 g.cab. 12 g.hay 17 cc.water	514	92	-	3.3
21.7.45	2275	230	75 g.bran 355 g.cab. 10 g.hay 11 cc.water	497	92	-	1.3
22.7.45	2295	304	50 g.bran 435 g.cab. 2 g.hay 24 cc.water	443	78	-	1.6
23.7.45	2210	287	55 g.bran 405 g.cab. 10 g.hay 12 cc.water	466	84	-	1.6

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr.	Total Urinary Poly. C.H.O. per 24 hr. in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr.	A.P.E.
12.7.45	7	6	8	-	-	-
13.7.45	3	3	4	-	-	-
14.7.45	4	3	4	-	-	-
15.7.45	-	-	-	-	-	-
16.7.45	-	-	-	-	-	-
17.7.45	-	-	-	-	-	-
18.7.45	3	2	2	-	-	-
19.7.45	8	7	10	-	-	-
20.7.45	9	8	9	-	-	-
21.7.45	3	3	3	-	-	-
22.7.45	5	4	5	-	-	-
23.7.45	5	4	5	-	-	-

Rabbit 35.

Date.	Body weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly.-C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g.%
24.7.45	2255	213	65 g.bran 340 g.cab. 12 g.hay 7 cc.water	462	85	-	1.0
25.7.45	2260	181	85 g.bran 340 g.cab. 13 g. hay 15 cc.water	529	98	-	1.0
26.7.45	2175	182 (f)	70 g.bran 210 g.cab. 11 g.hay 70 cc.water	391	74	142 (f)	0.4
27.7.45	2275	166	70 g.bran 440 g.cab. 11 g.hay 15 cc.water	539	97	-	1.3
28.7.45	2250	247	90 g.bran 390 g.cab. 12 g.hay 10 cc.water	573	106	-	3.9
29.7.45	2285	276	84 g.bran 498 g.cab. 8 g.hay 14 cc.water	615	110	-	5.9
30.7.45	2235	269	90 g.bran 440 g.cab. 8 g.hay 13 cc.water	592	108	-	5.5
31.7.45	2265	251	50 g.bran 435 g.cab. 10 g.hay 23 cc.water	469	84	-	4.0
1.8.45	2280	338	70 g.bran 515 g.cab. 10 g.hay 16 cc.water	584	105	-	4.3
2.8.45	2340	200	45 g.bran 405 g.cab. 9 g.hay 15 cc.water	430	77	-	4.0
3.8.45	2370	163	65 g.bran 340 g.cab. 11 g.hay 14 cc.water	459	84	-	5.9
4.8.45	2350	176	55 g.bran 280 g.cab. 7 g.hay 22 cc.water	376	68	-	4.4

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr.	Total Urinary Poly.-C.H.O. per 24 hr. in g.	%age Dietary Poly.C.H.O. excreted in/urine per 24 hr.	Urine Ketones in mg. %	Total Urine Ketones per 24 hr.	A.P.E.
24.7.45	2	2	2	-	-	-
25.7.45	2	2	2	-	-	-
26.7.45	0.7	0.7	0.9	-	-	-
27.7.45	2	2	2	-	-	-
28.7.45	10	9	9	-	-	-
29.7.45	17	15	14	-	-	-
30.7.45	15	13	12	-	-	-
31.7.45	10	9	11	-	-	-
1.8.45	15	13	12	-	-	0.5 g.p.k.(4.6 cc)
2.8.45	8	7	9	-	-	0.5 g.p.k.(4.6 cc)
3.8.45	9	9	11	-	-	0.5 gp.k. (4.8 cc)
4.8.45	8	7	10	-	-	0.5 g.p.k. (4.8 cc)

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Rabbit 35.

Date.	Body weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly.-C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g.%
5.8.45	2375	275	65 g.bran 450 g.cab. 2 g. hay 13cc.water	500	89	-	4.0
6.8.45	2380	154	70 g.bran 295 g.cab. 11 g.hay 17 cc.water	446	83	-	6.2
7.8.45	2335	222	65 g.bran 330 g.cab. 8 g. hay 18 cc.water	442	81	-	5.7
8.8.45	2360	199	70 g.bran 345 g.cab. 4 g. hay 15 cc.water	455	83	-	6.4
9.8.45	2355	183	70 g.bran 375 g.cab. 6 g. hay 14 cc.water	481	88	-	5.9
10.8.45	2365	197	80 g.bran 385 g.cab. 7 g. hay 17 cc.water	522	95	-	5.3
11.8.45	2320	235	80 g.bran 400 g.cab. 8 g.hay 19 cc.water	535	97	-	5.7
12.8.45	2305	186	60 g.bran 350 g.cab. 10 g.hay 10 cc.water	447	81	-	4.8
13.8.45	2310	185	50 g.bran 355 g.cab. 2 g. hay 8 cc.water	392	70	-	5.1
14.8.45	2290	200	75 g.bran 320 g.cab. 12 g.hay 13 cc.water	481	89	-	7.3
15.8.45	2300	171	67 g.bran 260 g.cab. 6 g. hay 8 cc.water	391	73	-	6.7
16.8.45	2285	182	75 g.bran 330 g.cab. 8 g. hay 7 cc.water	474	87	-	7.3

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr.	Total Urinary Poly.-C.H.O. per 24 hr. in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr.	A.P.E.
5.8.45	11	10	11	-	-	0.5 g.p.k.(4.8cc)
6.8.45	9	8	10	-	-	0.5 g.p.k.(4.8cc)
7.8.45	13	11	14	-	-	0.5 g.p.k.(4.6cc)
8.8.45	13	12	14	-	-	0.5 g.p.k.(4.8cc)
9.8.45	11	10	11	-	-	0.5 g.p.k.(4.8cc)
10.8.45	11	10	11	-	-	0.5 g.p.k.(4.8cc)
11.8.45	14	12	12	-	-	0.5 g.p.k.(4.6cc)
12.8.45	9	8	10	-	-	0.5 g.p.k. (4.6cc)
13.8.45	10	9	13	-	-	0.5 g.p.k.(4.6cc)
14.8.45	15	13	15	-	-	0.5 gp.k. (4.6cc)
15.8.45	11	10	14	-	-	0.5 g.p.k.(4.6cc)
16.8.45	13	12	14	-	-	-

63.

Rabbit 35.

Date.	Body weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly.-C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g.%
17.8.45	2275	190	80 g.bran 320 g.cab. 7 g. hay 8 cc.water	481	88	-	9.9
18.8.45	2250	193	72 g.bran 345 g.cab. 9 g. hay 10 cc.water	471	87	-	10.3
19.8.45	2235	200	85 g.bran 400 g.cab. 9 g.hay 20 cc.water	554	101	-	8.0
20.8.45	2250	175	90 g.bran 370 g.cab. 12 g.hay 25 cc.water	560	104	-	9.9
21.8.45	2230	273	85 g.bran 425 g.cab. 12 g. hay 17 cc.water	580	106	-	10.3
22.8.45	2240	200	115 g.bran 345 g.cab. 14 g. hay 21 cc.water	630	120	-	10.7
23.8.45	2255	192	115 g.bran 360 g.cab 9 g.hay 10 cc.water	622	117	-	9.2
24.8.45	2230	243	80 g.bran 375 g.cab. 13 g.hay 13cc.water	535	99	-	8.5
25.8.45	2240	240	120 g.bran 460 g.cab. 12 g.hay 14 cc.water	712	132	-	7.1
26.8.45	2245	265	100 g.bran 455 g.cab. 13 g. hay 15 cc.water	649	120	-	8.8
27.8.45	2225	194	115 g.bran 355 g.cab. 11 g. hay 19 cc. water	626	118	-	9.2

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Rabbit 35.

Date.	Total Urinary Glucose per 24 hr.	Total Urinary Poly.-C.H.O. per 24 hr. in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg. %	Total Urine Ketones per 24 hr.	A.P.E.
17.8.45	19	17	19	-	-	-
18.8.45	20	18	21	-	-	-
19.8.45	16	14	14	-	-	-
20.8.45	18	16	15	-	-	-
21.8.45	28	25	24	-	-	-
22.8.45	21	19	16	-	-	-
23.8.45	18	16	14	-	-	-
24.8.45	20	18	18	-	-	-
25.8.45	17	15	11	-	-	-
26.8.45	24	21	18	-	-	-
27.8.45	18	16	14	-	-	-

Rabbit 35.

Date.	Body-weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hrs.	Total Calories per 24 hr.	Total Dietary Poly.-C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g.%
28.8.45	2225	263	85 g.bran 395 g.cab. 10 g. hay 12 cc.water	555	102	-	8.8
29.8.45	2215	224	85 g.bran 350 g.cab. 12 g. hay 7 cc.water	532	98	-	9.5
30.8.45	2225	210	80 g.bran 375 g.cab. 13 g. hay 8 cc.water	535	99	-	8.3
31.8.45	2235	305	110 g.bran 435 g. cab. 10 g. hay 15 cc.water	659	122	-	8.5
1.9.45	2220	235	125 g.bran 255 g.cab. 9 g.hay. 13 cc.water	587	113	-	9.4
2.9.45	2190	210	130 g.bran 340 g.cab. 12 g.hay 24 cc.water	668	126	-	9.5
3.9.45	2220	276	95 g.bran 450 g.cab. 11 g.hay 34 cc.water	625	114	-	9.4
4.9.45	2215	215	110 g.bran 310 g.cab. 12 g. hay 13 cc.water	585	110	-	8.8
5.9.45	2210	245	115 g.bran 335 g.cab. 13 g.hay 30 cc.water	619	118	-	9.4
6.9.45	2200	355	100 g.bran 475 g.cab. 9 g. hay 12 cc.water	649	119	-	9.2
7.9.45	2235	315	115 g.bran 435 g.cab. 12 g. hay 59 cc.water	680	135	-	9.9
8.9.45	2230	330	85 g.bran 460 g.cab. 12 g ha y 63 cc. water	602	109	-	9.5

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr.	Total Urinary Poly. C.H.O. per 24 hr. in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr.	A.P.E.
28.8.45	23	21	21	-	-	-
29.8.45	21	19	19	-	-	-
30.8.45	17	16	16	-	-	-
31.8.45	26	24	20	-	-	-
1.9.45	23	20	18	-	-	-
2.9.45	20	18	14	-	-	-
3.9.45	26	24	21	-	-	-
4.9.45	19	17	15	-	-	-
5.9.45	24	21	18	-	-	-
6.9.45	33	30	25	-	-	-
7.9.45	32	29	21	-	-	-
8.9.45	31	28	26	-	-	-

Rabbit 35.

Date.	Body weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly. C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in mg.%
9.9.45	2210	315	124 g.bran 465 g.cab. 14 g. hay 25 cc.water	739	138	-	8.5
10.9.45	2215	285	95 g.bran 420 g.cab. 10 g.hay 8 cc.water	603	111	-	8.8
11.9.45	2200	230	110 g.bran 350 g.cab. 13 g. hay 46 cc.water	614	115	-	9.2
12.9.45	2140	128(f)	80 g.bran 175 g.cab. 9 g. hay 18 cc.water	394	76	438 (f)	11.1
13.9.45	2195	208	80 g. bran 370 g.cab. 14 g. hay 20 cc.water	536	99	-	8.8
14.9.45	2205	270	110 g.bran 460 g.cab. 14 g. hay 9cc.water	688	127	-	9.4
15.9.45	2205	293	110 g.bran 490 g.cab. 12 g. hay 19 cc.water	701	128	-	10.1
16.9.45	2225	261	100 g. bran 435 g. cab. 10 g. hay 8 cc.water	627	116	-	9.2
17.9.45	2190	388	110 g.bran 470 g. cab. 14 g. hay 17 cc.water	695	128	-	8.3
18.9.45	2235	340	90 g.bran 520 g.cab. 12 g. hay 7 cc.water	656	119	-	8.3
19.9.45	2180	289	95 g.bran 345 g.cab. 11 g. hay 20 cc.water	558	104	-	7.7
20.9.45	2205	284	100 g.bran 415 g.cab. 14 g. hay 20 cc.water	628	117	-	8.8

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr.	Total Urinary Poly. C.H.O. per 24 hr. in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg. %	Total Urine Ketones per 24 hr.	A.P.E.
9.9.45	27	25	18	-	-	-
10.9.45	26	23	21	-	-	-
11.9.45	21	19	17	-	-	-
12.9.45	14	13	18	-	-	-
13.9.45	19	17	17	-	-	-
14.9.45	25	23	18	-	-	-
15.9.45	29	26	20	-	-	-
16.9.45	24	22	19	-	-	-
17.9.45	32	29	23	-	-	-
18.9.45	28	25	21	-	-	-
19.9.45	22	20	19	-	-	-
20.9.45	25	22	19	-	-	-

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Rabbit 35.

Date.	Body weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly. C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g.%
21.9.45	2175	278	100 g.bran 355 g.cab. 13 g. hay 37 cc.water	585	110	-	9.2
22.9.45	2175	334	100 g.bran 500 g.cab. 13 g. hay 17 cc.water	678	124	-	9.2
23.9.45	2205	253	105 g.bran 425 g.cab. 14 g. hay 35 cc.water	650	121	-	8.7
24.9.45	2125	303	95 g.bran 440 g.cab. 10 g.hay 22 cc.water	616	113	-	8.0
25.9.45	2180	321	95 g.bran 490 g.cab. 14 g. hay 42 cc.water	661	121	-	8.8
26.9.45	2115	238(f)	85 g.bran 240 g.cab. 11 g. hay 60 cc.water	459	86	432(f)	9.9
27.9.45	2095	220	25 g.bran 295 g.cab 12 cc.water	268	46	-	9.5
28.9.45	2135	188	25 g. bran 300 g.cab. 13 cc.water	271	46	-	6.4
29.9.45	2090	246	24 g.bran 295 g.cab. 13 cc.water	268	46	-	4.1
30.9.45	2090	223	27 g.bran 300 g.cab. 14 cc.water	271	46	-	3.4
1.10.45	2095	226	28 g.bran 295 g.cab. 5 cc.water	284	49	-	3.1
2.10.45	2075	226	26 g.bran 295 g.cab. 12 cc.water	268	46	-	3.2
3.10.45	2080	220(f)	28 g.bran 295 g.cab. 11 cc.water	284	49	245 (f)	2.2
4.10.45	2095	203	25 g.bran 295 g.cab. 12 cc.water	268	46	-	5.3

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr.	Total Urinary Poly. C.H.O. per 24 hr. in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr.	A.P.E.
21.9.45	26	23	21	-	-	-
22.9.45	30	27	22	-	-	-
23.9.45	22	20	16	-	-	-
24.9.45	24	22	19	-	-	-
25.9.45	28	25	21	-	-	-
26.9.45	24	21	24	-	-	Diet allowed = 30g.bran. 300g.cabb. 300 cc. water.
27.9.45	21	19	41	-	-	-
28.9.45	12	11	24	-	-	-
29.9.45	10	9	20	-	-	-
30.9.45	8	7	15	-	-	-
1.10.45	7	6	12	-	-	-
2.10.45	7	7	15	-	-	-
3.10.45	5	4	8	-	-	-
4.10.45	11	10	22	-	-	Diet allowed = 200g.bran. 600g.cabb 300 cc.water. 15 g. hay.

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Rabbit 35.

Date.	Body weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly. C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g. %
5.10.45	2135	290	150 g.bran 555 g.cab. 13 g.hay 20 cc.water	871	162	-	10.7
6.10.45	2125	371	155 g.bran 585 g.cab. 5 g.hay 36 cc.water	880	162	-	11.1
7.10.45	2200	429	163 g.bran 510 g.cab. 14 g.hay 90 cc.water	893	168	-	9.2
8.10.45	2240	466	155 g.bran 585 g.cab. 10 g.hay 106 cc.water	897	166	-	8.8
9.10.45	2265	465	140 g.bran 585 g.cab. 13 g. hay 69 cc.water	858	159	-	8.4
10.10.45	2265	411	140 g.bran 535 g.cab. 13 g.hay 58 cc.water	826	154	-	10.7
11.10.45	2240	360	140 g.bran 480 g.cab. 14 g. hay 78 cc.water	795	149	-	10.9
12.10.45	2215	346	140 g.bran 485 g.cab. 14 g. hay 57 cc.water	798	150	-	10.7
13.10.45	2235	358	130 g.bran 565 g.cab. 13 g. hay 43 cc.water	815	150	-	8.9
14.10.45	2255	331	120 g.bran 488 g.cab. 14 g. hay 35 cc.water	739	137	-	10.7
15.10.45	2215	441	100 g.bran 590 g.cab. 12 g. hay 16 cc.water	733	132	-	10.3
16.10.45	2160	324(f)	90 g.bran 355 g.cab. 7 g. hay 63 cc.water	534	99	470(f)	10.5

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Rabbit 35.

Date.	Total Urinary Glucose per 24 hr.	Total Urinary Poly. C.H.O. per 24 hr. in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg. %	Total Urine Ketones per 24 hr.	A.P.E.
5.10.45	31	28	17	-	-	-
6.10.45	41	37	23	-	-	-
7.10.45	40	36	21	-	-	-
8.10.45	41	37	22	-	-	-
9.10.45	40	36	23	-	-	-
10.10.45	44	40	26	-	-	-
11.10.45	39	35	23	-	-	-
12.10.45	38	34	23	-	-	-
13.10.45	32	29	20	-	-	-
14.10.45	35	32	23	-	-	-
15.10.45	45	41	31	-	-	-
16.10.45	34	30	30	-	-	-

Rabbit 35.

Date.	Body weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly. C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g.%
17.10.45	2245	284	115 g.bran 460 g.cab. 12 g. hay 35 cc.water	696	129	-	11.1
18.10.45	2210	432	125 g.bran 597 g.cab. 10 g. hay 20cc.water	812	148	-	11.4
19.10.45	2230	274	130 g.bran 400 g.cab. 12 g. hay 78 cc.water	706	132	-	11.1
20.10.45	2235	375	110 g.bran 585 g.cab. 12 g. hay 13 cc.water	761	138	-	10.3
21.10.45	2125	63	20 cc.water	-	-	-	2.7
22.10.45	2075	31	15 cc.water	-	-	-	0.3
23.10.45	2040	28	27 cc.water	-	-	160 (f)	0.4
24.10.45	2160	162	110 g.bran 370 g.cab. 14 g. hay 17 cc.water	631	118	-	1.5
25.10.45	2120	145	120 g.bran 260 g.cab. 14 g. hay 13 cc.water	591	114	-	9.9
26.10.45	2160	248	130 g.bran 495 g.cab. 12 g. hay 20 cc.water	767	142	-	10.3
27.10.45	2165	421	140 g.bran 400 g.cab. 14 g.hay 73 cc.water	744	141	-	10.3
28.10.45	2205	463	130 g.bran 595 g.cab. 14 g.hay 105 cc.water	838	154	-	9.7
29.10.45	2205	366	140 g.bran 445 g.cab. 14 g. hay 114 cc.water	773	146	-	10.5
30.10.45	2240	444	140 g.bran 535 g.cab. 13 g. hay 116 cc.water	826	154	-	10.1

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr.	Total Urinary Poly. C.H.O. per 24 hr. in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr.	A.P.E.	
17.10.45	31	28	22	-	-	-	
18.10.45	49	44	30	-	-	-	
19.10.45	30	27	20	-	-	-	
20.10.45	39	35	25	-	-	-	Diet allowed= No food : water only.
21.10.45	2	2	?	-	-	-	
22.10.45	0.1	0.1	?	-	-	-	
23.10.45	0.1	0.1	?	-	-	-	Usual food.
24.10.45	2	2	2	-	-	-	
25.10.45	15	13	11	-	-	-	
26.10.45	26	23	16	-	-	-	
27.10.45	43	39	28	-	-	-	
28.10.45	45	40	26	-	-	-	
29.10.45	39	35	24	-	-	-	
30.10.45	44	40	26	-	-	-	

Rabbit 35.

Date.	Body weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly. C.H.O. per 24 hr.	Blood Sugar in mg. %	Urine Sugar in g.%
1.11.45	2205	348	130 g.bran 350 g.cab. 12 g. hay 150 cc.water	674	127	-	10.5
2.11.45	2105	288(f)	100 g.bran 275 g.cab. 10 g.hay 120cc.water	525	100	478(f)	10.5
3.11.45	2200	339	110 g.bran 475 g.cab. 14 g. hay 140 cc.water	698	129	-	11.1
4.11.45	2215	324	128 g.bran 460 g.cab. 14 g. hay 120 cc.water	751	140	-	11.4
5.11.45	2225	256	100 g.bran 370 g.cab. 12 g. hay 133 cc.water	592	110	-	11.1
6.11.45	2170	397	100 g.bran 470 g.cab. 11 g.hay 113 cc.water	653	119	-	9.4
7.11.45	2175	251	100 g.bran 345 g.cab. 7 g. hay 82 cc.water	560	104	-	9.7
8.11.45	2220	291	120 g.bran 440 g.cab. 5 g.hay 63 cc.water	677	125	-	11.1
9.11.45	2250	328	100 g.bran 480 g.cab. 10 g.hay 90 cc.water	656	120	-	11.4
10.11.45	2195	334	100 g.bran 380 g.cab. 9 g.hay 88 cc.water	588	109	-	11.1
11.11.45	2220	333	95 g.bran 415 g.cab 9 g.hay 146 cc.water	596	110	-	11.4
12.11.45	2225	284	100 g.bran 380 g.cab. 11 g. hay 100 cc.water	595	110	-	10.9

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Rabbit 35.

Date	Total Urinary Glucose per 24 hr.	Total Urinary Poly. C.H.O. per 24 hr. in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg. %	Total Urine Ketones per 24 hr.	A.P.E.
1.11.45	37	33	26	-	-	-
2.11.45	30	27	27	-	-	-
3.11.45	38	34	26	-	-	-
4.11.45	37	33	24	-	-	-
5.11.45	29	26	24	-	-	-
6.11.45	38	34	29	-	-	-
7.11.45	24	22	21	-	-	-
8.11.45	32	29	23	-	-	-
9.11.45	38	34	28	-	-	-
10.11.45	37	33	30	-	-	-
11.11.45	38	34	31	-	-	-
12.11.45	31	28	25	-	-	-

Rabbit 35.

Date.	Body weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly. C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g.%
13.11.45	2210	295	135 g.bran 340 g.cab. 12 g. hay 161 cc.water	683	129	-	10.7
14.11.45	2200	270	130 g.bran 430 g.cab. 13 g. hay 106 cc.water	728	136	-	10.7
15.11.45	2195	310	105 g.bran 375 g.cab. 14 g. hay 126 cc.water	618	116	-	10.7
16.11.45	2175	324	95 g.bran 460 g.cab. 12 g.hay 43 cc.water	634	116	-	10.7
17.11.45	2190	238	110 g.bran 300 g.cab. 12 g. hay 150 cc.water	579	109	-	11.1
18.11.45	2225	232	125 g.bran 310 g.cab. 14 g. hay 134 cc.water	639	122	-	11.4
19.11.45	2165	235	100 g.bran 265 g.cab. 12 g. hay 122 cc.water	525	100	-	11.6
20.11.45	2175	-	-	-	-	-	+
21.11.45	2120	-	-	-	-	-	+
22.11.45	2090	-	-	-	-	-	+
23.11.45	2100(f)	-	-	-	-	-	+
24.11.45	2130(f)	-	-	-	-	360(f)	+
25.11.45	2200	-	-	-	-	-	+
26.11.45	2200	-	-	-	-	-	+
27.11.45	2220	376	130 g.bran 498 g.cab. 7 g. hay 163 cc.water	754	138	-	9.9
28.11.45	2210	381	115 g.bran 485 g.cab. 4 g. hay 148 cc.water	686	126	-	10.1

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr.	Total Urinary Poly. C.H.O. per 24 hr. in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr.	A.P.E.
13.11.45	32	29	23	-	-	-
14.11.45	29	26	19	-	-	-
15.11.45	33	30	26	-	-	-
16.11.45	34	31	27	-	-	-
17.11.45	27	24	22	-	-	-
18.11.45	26	24	20	-	-	-
19.11.45	28	25	25	-	-	-
20.11.45	+	+	-	-	-	-
21.11.45	+	+	-	-	-	-
22.11.45	+	+	-	-	-	-
23.11.45	+	+	-	-	-	-
24.11.45	+	+	-	-	-	-
25.11.45	+	+	-	-	-	-
26.11.45	+	+	-	-	-	-
27.11.45	38	34	25	-	-	-
28.11.45	38	35	28	-	-	-

Rabbit 35.

Date.	Body weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly. C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g. %
29.11.45	2190	356	95 g.bran 465 g.cab. 2 g. hay 88 cc.water	606	110	-	10.7
30.11.45	2220	295	110 g.bran 450 g.cab. 0 g. hay 102 cc.water	636	115	-	11.1
1.12.45	2210	339	100 g.bran 390 g.cab. 4 g. hay 132 cc.water	579	106	-	11.4
2.12.45	2190	262	143 g.bran 365 g.cab. 8 g. hay 86 cc.water	718	136	-	10.5
3.12.45	2215	292	115 g.bran 445 g.cab. 7 g. hay 83 cc.water	671	124	-	10.7
4.12.45	2200	290	135 g.bran 335 g.cab. 4 g. hay 122 cc.water	653	123	-	10.5
5.12.45	2205	277	115 g.bran 495 g.cab. 13 g.hay 95 cc.water	709	131	-	9.9
6.12.45	2210	275	115 g.bran 405 g.cab. 9 g. hay 98 cc.water	651	122	-	11.1
7.12.45	2185	282	125 g.bran 350 g.cab. 6 g.hay 118 cc.water	639	120	-	11.6
8.12.45	2185	-	-	-	-	-	+
9.12.45	2205	-	-	-	-	-	+
10.12.45	2215	-	-	-	-	-	+
11.12.45	2210	-	-	-	-	-	+
12.12.45	2200	-	-	-	-	-	+
13.12.45	2210	-	-	-	-	-	+
14.12.45	2210	-	-	-	-	-	+
15.12.45	2210	-	-	-	-	-	+
16.12.45	2200	-	-	-	-	-	+

80.

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr.	Total Urinary Poly. $C_6H_{10}O_5$ per 24 hr. in g.	%age Dietary Poly. $C_6H_{10}O_5$ excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr.	A.P.E.
29.11.45	39	35	32	-	-	-
30.11.45	33	30	26	-	-	-
1.12.45	39	35	33	-	-	-
2.12.45	27	25	18	-	-	-
3.12.45	31	28	23	-	-	-
4.12.45	31	27	22	-	-	-
5.12.45	28	25	19	-	-	-
6.12.45	31	28	23	-	-	-
7.12.45	33	29	24	-	-	-
8.12.45	+	+	-	-	-	-
9.12.45	+	+	-	-	-	-
10.12.45	+	+	-	-	-	-
11.12.45	+	+	-	-	-	-
12.12.45	+	+	-	-	-	-
13.12.45	+	+	-	-	-	-
14.12.45	+	+	-	-	-	-
15.12.45	+	+	-	-	-	-
16.12.45	+	+	-	-	-	-

Rabbit 35.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly. C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g.%
17.12.45	2210	-	-	-	-	-	+
18.12.45	2180	-	-	-	-	-	+
19.12.45	2210	-	-	-	-	-	+
20.12.45	2195	-	-	-	-	-	+
21.12.45	2190 (f)	-	-	-	-	456(f)	+
22.12.45	2200	-	-	-	-	-	+
23.12.45	2210	-	-	-	-	-	+
24.12.45	2210	-	-	-	-	-	+
25.12.45	2225	-	-	-	-	-	+
26.12.45	2220	-	-	-	-	-	+
27.12.45	2230	-	-	-	-	-	+
28.12.45	2220	-	-	-	-	-	+
29.12.45	2245	353	125 g.bran 495 g.cab. 14 g. hay 130 cc.water	758	141	-	9.9
30.12.45	2260	402	115 g.bran 492 g.cab. 13 g. hay 116 cc.water	719	133	-	10.1
31.12.45	2255	463	118 g.bran 565 g.cab. 13 g. hay 152 cc.water	783	144	-	9.2
1.1.46	2230	421	127 g.bran 540 g.cab. 14 g.hay 119 cc.water	787	145	-	9.7
2.1.46	2250	371	115 g.bran 460 g.cab. 14 g. hay 91 cc.water	703	131	-	9.7
3.1.46	2295	310	110 g.bran 460 g.cab 14 g. hay 79 cc.water	688	127	-	11.1
4.1.46	2275	362	100 g.bran 470 g.cab. 14 g. hay 86 cc.water	663	122	-	10.5
5.1.46	2245	312	110 g.bran 375 g. cab. 14 g. hay 122 cc.water	634	119	-	11.1

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr.	Total Urinary Poly. C.H.O. per 24 hr. in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr.	A.P.E.
17.12.45	+	+	-	-	-	-
18.12.45	+	+	-	-	-	-
19.12.45	+	+	-	-	-	-
20.12.45	+	+	-	-	-	-
21.12.45	+	+	-	-	-	-
22.12.45	+	+	-	-	-	-
23.12.45	+	+	-	-	-	-
24.12.45	+	+	-	-	-	-
25.12.45	+	+	-	-	-	-
26.12.45	+	+	-	-	-	-
27.12.45	+	+	-	-	-	-
28.12.45	+	+	-	-	-	-
29.12.45	35	31	22	-	-	-
30.12.45	40	36	27	-	-	-
31.12.45	42	38	26	-	-	-
1.1.46	41	37	25	-	-	-
2.1.46	36	32	24	-	-	-
3.1.46	34	31	24	-	-	-
4.1.46	38	34	28	-	-	-
5.1.46	34	31	26	-	-	-

83.

Rabbit 35.

Date.	Body weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary Poly. C.H.O. per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g.%
6.1.46	2240	352	105 g.bran 470 g.cab. 14 g.hay 132 cc.water	679	125	-	8.8
7.1.46	2250	336	105 g.bran 415 g.cab. 14 g. hay 118 cc.water	644	120	-	9.5
8.1.46	2285	374	115 g.bran 470 g.cab. 13 g. hay 160 cc.water	706	131	-	10.1
9.1.46	2250	-	-	-	-	-	+
10.1.46	2210(f)	-	-	-	-	420(f)	+
11.1.46	2265	-	-	Killed 11.30 am.		-	+

Rabbit 35.

Date.	Total Urinary Glucose per 24 hr.	Total Urinary Poly. C.H.O. per 24 hr. in g.	%age Dietary Poly.C.H.O. excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr.	A.P.E.
6.1.46	31	28	22	-	-	-
7.1.46	32	29	24	-	-	-
8.1.46	37	34	26	-	-	-
9.1.46	+	+	-	-	-	-
10.1.46	+	+	-	-	-	-
11.1.46	+	Killed 11.30 am.	-	-	-	-

Rabbit 35.

Notes.

30.1.45 Animal strong, but moulting badly. This phenomenon is late to be natural and therefore attributed to diabetes.

22.2.45 Animal receiving first course of extract is less active and less strong than usual, but decided to continue extract until 10 daily doses given.

10.3.45 Animal has steadily increased in strength during past few days.

27.3.45 Animal receiving second course of extract again showed some loss of vigour and activity, but decided to complete 10 doses.

7.4.45 Moulting again. Had dull eyes and was lethargic. Appetite not so good.

9.4.45 Condition to some extent improved.

12.4.45 Fairly strong, but still somewhat weaker than usual. Moulting continues markedly.

24.4.45 Strong, but still moulting badly. Decided to give 1½ teaspoonfuls of linseed oil for 14 days.

27.4.45 Linseed oil stopped.

28.4.45 Animal combed. Looked better. Given extract.

6.5.45 Animal's fur in definitely better condition. Standing extract well. Putting on weight.

18.5.45 Fur in excellent condition now. Animal strong and lively. Feels well nourished, although losing weight since cessation of extract treatment.

1.6.45 Animal in good condition. Has almost entirely new coat of fur. Weight became stabilised and fourth course of injections was, therefore, started.

5.6.45/

86.

Rabbit 35.

5.6.45	Subcutaneous lumps noticed on outside of both forelimbs. Right lump has become denuded of hair and slightly ulcerated. Treated with water, eusol, meth. spirit and powder.
6.6.45	Bare patch noted on back on left. Treated as above. Animal toward end of 4th. extract course is quieter and less active than usual
15.7.45	Subcutaneous lump on left forelimb disappeared without ulceration or loss of hair. Lump on right forelimb healed rapidly and soon became covered with hair. Bare ulcerated patch on back has almost become covered with hair again.
1.8.45	Ulcerated patch on back now hidden by hair.
14.9.45	Animal in good condition.
15.11.45	Rabbit's fur is not just in such good condition as the normal, but animal otherwise in good trim.
11.1.45	Animal remained in good condition apart from slight dirtiness of fur, probably due to scraping around in floor cage. Killed by stunning. Postmortem showed animal was well nourished as indicated by abundant subcutaneous and mesenteric fat.

PROTOCOLS.

RABBIT 36.

(MALE)

Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO* per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
20.1.45	2140	92	150 g.bran 230 g.cab 14 g. hay	667	130	-	-
21.1.45	2140	92	145 g.bran 245 g.cab. 12 g. hay	654	127	-	-
22.1.45	2120	144	135 g.bran 240 g.cab. 14 g. hay	626	121	-	-
23.1.45	2110	75	140 g.bran 165 g. cab. 14 g. hay	594	118	-	-
24.1.45	2160	83	115 g.bran 200 g.cab. 14 g. hay	537	105	-	-
25.1.45	2150	87	155 g.bran 200 g.cab. 14 g. hay	664	130	-	-
26.1.45	2145	71	135 g.bran 170 g.cab. 14 g. hay	581	114	-	-
27.1.45	2170	33	65 g.bran 255 g.cab. 15 g.hay	417	79	-	-
28.1.45	2220	68	150 g.bran 235 g.cab. 14 g. hay	670	131	-	-
29.1.45	2180	103	120 g.bran 175 g.cab. 14 g. hay	537	106	-	-
30.1.45	2160	44	80 g.bran 180 g.cab. 14 g. hay	414	80	Blood Sugar Series.	
31.1.45	2130	86	60 g.bran 170 g.cab. 13 g.hay	341	65	M.272 E.358	3.6
1.2.45	2060	237	0 g.bran(wet) 205 g.cab. 14 g. hay	177	32	343	6.2
2.2.45	2030	248	30 g.bran 235 g.cab. 13 g. hay	287	53	355 I**	5.7

* = Polysaccharides

**= Insulin

Rabbit 36.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
20.1.45	-	-	-	-	-	-
21.1.45	-	-	-	Blank = 20mg.%	-	-
22.1.45	-	-	-	-	-	-
23.1.45	-	-	-	-	-	-
24.1.45	-	-	-	-	-	-
25.1.45	-	-	-	-	-	-
26.1.45	-	-	-	-	-	-
27.1.45	-	-	-	-	-	-
28.1.45	-	-	-	-	-	-
29.1.45	-	-	-	-	-	-
30.1.45	-	-	-	Alloxan 100 mg. per kg.	-	4.3 cc. (5% soln.)
31.1.45	3	3	5	-	-	-
1: 2.45	15	13	41	-	-	-
2.2.45	14	13	28	513	1233	-

Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
3.2.45	1995	117	10 g.bran 95 g.cab. 3 g. hay	103	18	262 I	3.6
4.2.45	1985	94	40 g.bran 195 g.cab. 14 g.hay	261	48	-	4.4
5.2.45	1965	180	80 g.bran 235 g.cab. 14 g. hay	449	86	-	5.0
6.2.45	1965	160	55 g. bran 185 g. cab. 14 g. hay	338	65	-	6.7
7.2.45	1875	197	15 g.bran 175 g.cab. 15 g. hay	208	39	- I	6.4
8.2.45	1945	180	35 g. bran 175 g. cab. 15 g. hay	272	51	- I	0.4
9.2.45	1970	91	75 g.bran 200 g.cab. 15 g. hay	414	79	429 I	4.0
10.2.45	2025	133	65 g.bran 270 g.cab. 15 g.hay	427	80	- I	5.3
11.2.45	2010	149	100 g.bran 190 g.cab. 13 g.hay	480	93	- I	5.5
12.2.45	2030	59	100 g.bran 150 g.cab. 15 g.hay	461	90	- I	4.3
13.2.45	2060	70	70 g.bran 185 g.cab. 15 g. hay	388	75	- I	5.7
14.2.45	1975	212	70 g.bran 265 g.cab. 15 g.hay	440	83	- I	3.8
15.2.45	2005	207	110 g.bran 275 g.cab. 15 g. hay	573	109	- I	7.8
16.2.45	1945	250	100 g.bran 300 g.cab. 14 g. hay	554	105	407 I	8.2
17.2.45	1980	282	85 g.bran 290 g.cab. 15 g. hay	504	94	-	4.3

Rabbit 36.

90.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
3.2.45	4	4	22	745	870	-
4.2.45	4	4	8	30	9	-
5.2.45	9	8	9	54	61	-
6.2.45	11	10	15	346	522	-
7.2.45	13	12	31	941	1842	-
8.2.45	1	1	1	169	268	-
9.2.45	4	3	4	+	+	-
10.2.45	7	6	8	+	+	-
11.2.45	8	7	8	+	+	-
12.2.45	3	2	2	+	+	-
13.2.45	4	4	5	+	+	-
14.2.45	8	7	8	+	+	-
15.2.45	16	15	14	+	+	-
16.2.45	21	19	18	+	+	-
17.2.45	12	11	12	+	+	-

Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
18.2.45	1930	335	85 g.bran 250 g.cab. 14 g. hay	475	90	-	8.8
19.2.45	1895	198	45 g.bran 175 g.cab. 15 g. hay	303	58	-	8.5
20.2.45	1865	193	50 g.bran 205 g.cab. 15 g.hay	338	64	-	10.6
21.2.45	1920	250	75 g.bran 290 g.cab. 14 g.hay	469	88	-	8.2
22.2.45	1895	269	80 g.bran 210 g.cab. 15 g. hay	436	83	-	11.5
23.2.45	1880	215	70 g.bran 220 g.cab. 15 g. hay	411	78	336 (f)	8.5
24.2.45	1875	244	85 g.bran 260 g.cab. 15 g. hay	484	91	-	8.2
25.2.45	1790	380	100 g.bran 285 g.cab. 14 g. hay	544	104	-	9.1
26.2.45	1850	200	85 g.bran 260 g.cab. 15 g. hay	484	91	-	9.9
27.2.45	1775	180	75 g.bran 195 g.cab. 15 g.hay	411	79	-	8.8
28.2.45	1805	-	-	-	-	-	+
1.3.45	1825	-	-	-	-	-	+
2.3.45	1850 (f)	-	-	-	-	324 (f)	+
3.3.45	1830	-	-	-	-	-	+
4.3.45	1850	-	-	-	-	-	+
5.3.45	1820	-	-	-	-	-	+
6.3.45	1850	-	-	-	-	-	+
7.3.45	1895	-	-	-	-	-	+
8.3.45	1855	-	-	-	-	-	+
9.3.45	1875 (f)	-	-	-	-	399 (f)	+
10.3.45	1875	-	-	-	-	-	+
11.3.45	1875	-	-	-	-	-	+

(f) = fasting.

92.

Rabbit 36.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
18.2.45	30	27	30	51	105	-
19.2.45	17	15	26	256	472	-
20.2.45	20	18	28	+	+	-
21.2.45	21	19	22	250	575	-
22.2.45	31	28	34	+	+	-
23.2.45	19	17	22	193	381	-
24.2.45	20	18	20	262	581	-
25.2.45	35	31	30	+	+	-
26.2.45	20	18	20	+	+	-
27.2.45	16	14	18	240	396	-
28.2.45	+	+	-	+	+	-
1.3.45	+	+	-	+	+	-
2.3.45	+	+	-	+	+	-
3.3.45	+	+	-	+	+	-
4.3.45	+	+	-	+	+	-
5.3.45	+	+	-	+	+	-
6.3.45	+	+	-	+	+	-
7.3.45	+	+	-	+	+	-
8.3.45	+	+	-	+	+	-
9.3.45	+	+	-	+	+	-
10.3.45	+	+	-	+	+	-
11.3.45	+	+	-	+	+	-

Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg. %	Urine Sugar in g. %
12.3.45	1890	-	-	-	-	-	+
13.3.45	1900	-	-	-	-	-	+
14.3.45	1915	-	-	-	-	-	+
15.3.45	1915	-	-	-	-	-	+
16.3.45	1930(f)	-	-	-	-	465(f)	+
17.3.45	1900	-	-	-	-	-	+
18.3.45	1895	-	-	-	-	-	+
19.3.45	1955	-	-	-	-	-	+
20.3.45	1935	-	-	-	-	-	+
21.3.45	1920	-	-	-	-	-	+
22.3.45	1935	-	-	-	-	-	+
23.3.45	1910	-	-	-	-	-	+
24.3.45	1895	-	-	-	-	-	+
25.3.45	1940	-	-	-	-	-	+
26.3.45	1945	-	-	-	-	-	+
27.3.45	1900	-	-	-	-	-	+
28.3.45	1850	-	-	-	-	-	+
29.3.45	1855	-	-	-	-	-	+
30.3.45	1870(f)	-	-	-	-	345(f)	+
31.3.45	1905	-	-	-	-	-	+
1.4.45	1865	-	-	-	-	-	+
24. 45	1835	-	-	-	-	-	+
3.4.45	1865	-	-	-	-	-	+
4.4.45	1860	-	-	-	-	-	+
5.4.45	1880	-	-	-	-	-	+
6.4.45	1805	-	-	-	-	-	+
7.4.45	1715	-	-	-	-	-	+
8.4.45	1825	-	-	-	-	-	+
9.4.45	1860	-	-	-	-	-	+
10.4.45	1855	-	-	-	-	-	+
11.4.45	1865	-	-	-	-	-	+
12.4.45	1835	-	-	-	-	-	+
13.4.45	1825(f)	-	-	-	-	357(f)	+
14.4.45	1815	-	-	-	-	-	+
15.4.45	1920	-	-	-	-	-	+
16.4.45	1855	-	-	-	-	-	+
17.4.45	1835	-	-	-	-	-	+
18.4.45	1855	-	-	-	-	-	+
19.4.45	1850	-	-	-	-	-	+
20.4.45	1845	522	130 g.bran 560 g.cab. 9 g.hay	798	146	-	8.8
21.4.45	1870	586	120 g.bran 590 g.cab. 2 g. hay	764	138	-	8.8
22.4.45	1850	552	75 g.bran 590 g.cab. 3 g. hay	625	109	-	8.0
23.4.45	1875	448	175 g.bran 500 g.cab. 8 g. hay	899	168	-	8.5

Rabbit 36.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr	Urine Ketones in mg. %	Total Urine Ketones per 24 hr. in mg.	A.P.E.
12.3.45	+	+	-	+	+	-
13.3.45	+	+	-	+	+	-
14.3.45	+	+	-	+	+	-
15.3.45	+	+	-	+	+	-
16.3.45	+	+	-	+	+	-
17.3.45	+	+	-	+	+	-
18.3.45	+	+	-	+	+	-
19.3.45	+	+	-	+	+	-
20.3.45	+	+	-	+	+	-
21.3.45	+	+	-	+	+	-
22.3.45	+	+	-	+	+	-
23.3.45	+	+	-	+	+	-
24.3.45	+	+	-	+	+	-
25.3.45	+	+	-	+	+	-
26.3.45	+	+	-	+	+	-
27.3.45	+	+	-	+	+	-
28.3.45	+	+	-	+	+	-
29.3.45	+	+	-	+	+	-
30.3.45	+	+	-	-	-	-
31.3.45	+	+	-	-	-	-
1.4.45	+	+	-	-	-	-
2.4.45	+	+	-	-	-	-
3.4.45	+	+	-	-	-	-
4.4.45	+	+	-	-	-	-
5.4.45	+	+	-	-	-	-
6.4.45	+	+	-	-	-	-
7.4.45	+	+	-	-	-	-
8.4.45	+	+	-	-	-	-
9.4.45	+	+	-	-	-	-
10.4.45	+	+	-	-	-	-
11.4.45	+	+	-	-	-	-
12.4.45	+	+	-	-	-	-
13.4.45	+	+	-	-	-	-
14.4.45	+	+	-	-	-	-
15.4.45	+	+	-	-	-	-
16.4.45	+	+	-	-	-	-
17.4.45	+	+	-	-	-	-
18.4.45	+	+	-	-	-	-
19.4.45	+	+	-	-	-	-
20.4.45	46	41	28	-	-	-
21.4.45	52	47	34	-	-	-
22.4.45	44	40	37	-	-	-
23.4.45	38	34	20	-	-	-

Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg. %	Urine Sugar in g.%
24.4.45	1850	548	130 g.bran 590 g.cab. 7 g. hay	812	147	-	8.8
25.4.45	1895	536	130 g.bran 600 g.cab. 7 g. hay	818	148	-	8.0
26.4.45	1895	498	140 g.bran 600 g.cab. 4 g. hay	841	153	-	7.3
27.4.45	1890	559	150 g.bran 600 g.cab. 9 g. hay	887	163	-	8.2
28.4.45	1890	463	160 g.bran 455 g.cab. 14 g. hay	842	159	-	8.0
29.4.45	1865	517	165 g.bran 460 g.cab. 10 g. hay	848	160	-	9.1
30.4.45	1890	359	145 g.bran 385 g.cab. 14 g. hay	750	143	-	12.2
1.5.45	1885	418	135 g.bran 400 g.cab. 14 g. hay	728	137	-	10.7
2.5.45	1925	401	150 g.bran 370 g.cab. 14 g. hay	757	144	-	11.6
3.5.45	1920	408	125 g.bran 330 g.cab. 14 g. hay	652	124	-	9.2
4.5.45	1950	471	155 g.bran 440 g.cab. 14 g. hay	818	154	-	8.8
5.5.45	1935	552	155 g.bran 410 g.cab. 13 g. hay	794	150	-	8.8
6.5.45	1950	580	135 g.bran 485 g.cab. 10 g. hay	769	143	-	8.8
7.5.45	1945	573	150 g.bran 490 g.cab. 14 g. hay	834	156	-	8.8
8.5.45	1945	555	160 g.bran 445 g.cab. 14 g. hay	836	158	-	8.8

Rabbit 36.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
24.4.45	48	44	30	-	-	-
25.4.45	43	39	26	-	-	-
26.4.45	36	32	22	-	-	-
27.4.45	46	41	25	-	-	-
28.4.45	37	33	21	-	-	-
29.4.45	47	43	27	-	-	-
30.4.45	44	40	28	-	-	0.5 g.per kg. (3.8cc)
1.5.45	45	41	30	-	-	0.5 g.per kg. (3.8cc)
2.5.45	46	42	29	-	-	0.5 g.per kg. (3.8 cc)
3.5.45	38	34	27	67	193	0.5 g.per kg. (3.8cc)
4.5.45	41	37	24	50	141	0.5 g.per kg. (4.0cc)
5.5.45	48	44	29	87	369	0.5 g.per kg. (3.8cc)
6.5.45	51	46	32	+	+	0.5 g.per kg. (4.0cc)
7.5.45	50	45	29	166	832	0.5 g.per kg. (3.8cc)
8.5.45	49	44	28	+	+	0.5 g.per kg. (3.8cc)

Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
9.5.45	1950	479	165 g.bran 390 g.cab. 7 g. hay	794	150	-	7.8
10.5.45	1915(f)	458	160 g.bran 340 g.cab. 7 g. hay	746	141	425(f)	9.4
11.5.45	1980	583	160 g.bran 540 g. cab. 9 g. hay	880	163	-	8.8
12.5.45	1975	595	135 g.bran 595 g.cab. 6 g. hay	827	151	-	8.8
13.5.45	1995	575	140 g.bran 600 g.cab. 8 g. hay	852	156	-	7.9
14.5.45	1955	679	140 g.bran 600 g.cab. 4 g. hay	839	153	-	8.8
15.5.45	1995	586	130 g.bran 590 g.cab. 5 g. hay	805	146	-	8.8
16.5.45	2000	646	130 g.bran 600 g. cab. 5 g. hay	811	147	-	8.0
17.5.45	2045	658	140 g.bran 600 g.cab. 7 g. hay	849	155	-	8.5
18.5.45	1995(f)	565	120 g.bran 470 g.cab. 5 g. hay	696	128	406(f)	8.3
19.5.45	2025	618	145 g. bran 595 g.cab. 6.g. hay	859	158	-	8.3
20.5.45	2030	569	128 g. bran 555 g. cab. 5 g. hay	782	143	-	9.2
21.5.45	2045	478	110 g.bran 445 g.cab. 8 g.hay	659	121	-	9.2
22.5.45	1980	385	120 g.bran 370 g.cab. 13 g.hay	658	124	-	9.2
23.5.45	2015	480	115 g.bran 580 g.cab. 13 g. hay	776	142	-	9.5

Rabbit 36.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
9.5.45	37	34	23	179	763	0.5 g.per kg.(4.0cc)
10.5.45	43	39	28	+	+	0.5 g.per kg.(3.8cc)
11.5.45	51	46	28	294	1589	0.5 g.per kg.(4.0cc)
12.5.45	53	48	32	+	+	0.5 g.per kg.(4.0cc)
13.5.45	46	41	26	+	+	0.5 g.per kg.(4.0cc)
14.5.45	60	54	35	363	2332	0.5 g.per kg.(4.0cc)
15.5.45	52	47	32	+	+	0.5 g.per kg.(4.0cc)
16.5.45	52	47	32	162	923	0.5 g.per kg.(4.0cc)
17.5.45	56	51	33	+	+	0.5 g.per kg.(4.0cc)
18.5.45	47	43	34	153	758	-
19.5.45	52	46	29	+	+	-
20.5.45	52	47	33	+	+	-
21.5.45	44	40	33	98	374	-
22.5.45	36	32	26	+	+	-
23.5.45	46	41	29	31	53	-

Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
24.5.45	2045	460	115 g.bran 570 g.cab. 10 g. hay	761	139	-	9.9
25.5.45	2010(f)	500	110 g.bran 545 g.cab. 4 g. hay	710	128	409(f)	7.7
26.5.45	2025	503	105 g.bran 600 g.cab. 5 g. hay	732	131	-	6.2
27.5.45	2025	513	104 g.bran 585 g.cab. 7 g. hay	729	131	-	6.7
28.5.45	1945	448	135 g.bran 495 g.cab. 5 g. hay	759	140	-	7.0
29.5.45	1935	480	95 g.bran 540 g.cab. 13 g. hay	689	125	-	6.4
30.5.45	1895	527	85 g.bran 560 g.cab. 13 g. hay	669	120	-	7.8
31.5.45	1905(f)	330	60 g.bran 435 g.cab. 12 g. hay	507	91	362(f)	8.2
1.6.45	1825	502	100 g.bran 480 g.cab. 10 g. hay	656	120	-	8.2
2.6.45	1835	496	80 g.bran 590 g.cab. 12 g. hay	670	119	-	8.2
3.6.45	1830	559	80 g.bran 560 g.cab. 5 g. hay	627	111	-	7.8
4.6.45	1855	590	85 g.bran 600 g.cab. 8 g. hay	679	120	-	6.7
5.6.45	1900	564	80 g.bran 600 g.cab. 10 g. hay	670	119	-	7.8
6.6.45	1865	640	115 g.bran 460 g.cab. 14 g. hay	703	131	-	8.2
7.6.45	1875(f)	351	95 g.bran 315 g.cab. 3 g. hay	513	95	-	8.8

Rabbit 36

Date	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
24.5.45	46	41	29	+	+	-
25.5.45	39	35	27	25	25	-
26.5.45	31	28	21	+	+	-
27.5.45	34	31	24	+	+	-
28.5.45	32	28	20	-	-	-
29.5.45	31	28	22	-	-	-
30.5.45	41	37	31	-	-	-
31.5.45	27	24	26	-	-	-
1.6.45	41	37	31	-	-	-
2.6.45	41	37	31	-	-	-
3.6.45	44	39	35	-	-	-
4.6.45	40	36	30	-	-	-
5.6.45	44	40	34	-	-	-
6.6.45	53	47	36	-	-	-
7.6.45	31	28	29	-	-	-

Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
8.6.45	1865	366	40 g.bran 300 g.cab. 14 g. hay	364	67	-	8.2
9.6.45	1855	443	110 g.bran 355 g.cab. 11 g. hay	611	114	-	8.2
10.6.45	1865	415	102 g.bran 370 g.cab. 9 g. hay	582	108	-	8.8
11.6.45	1875	333	115 g.bran 210 g.cab. 14 g. hay	543	106	-	8.8
12.6.45	1835	299	85 g.bran 245 g.cab. 14 g. hay	472	90	-	8.2
13.6.45	1905	378	125 g. bran 400 g. cab. 14 g. hay	697	131	-	11.1
14.6.45	1965	519	95 g.bran 480 g.cab. 11 g. hay	644	117	-	11.1
15.6.45	1935	572	135 g.bran 455 g.cab. 13 g. hay	759	142	-	11.6
16.6.45	1880	655	75 g.bran 600 g.cab. 10 g.hay	654	116	-	9.5
17.6.45	1875	635	75 g.bran 500 g.cab. 10 g. hay	590	106	-	8.0
18.6.45	1945	533	100 g.bran 475 g.cab. 11 g.hay 239 cc.water	656	120	-	10.3
19.6.45	1940	588	125 g.bran 430 g.cab. 10 g.hay 281 cc.water	703	131	-	9;2
20.6.45	1920(f)	435	85 g.bran 290 g.cab. 5 g. hay 280 cc.water	471	87	460(f)	10.7

Rabbit 36.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
8.6.45	30	27	40	-	-	-
9.6.45	36	33	29	-	-	-
10.6.45	37	33	31	-	-	-
11.6.45	29	26	25	-	-	0.5 g.per kg.(3.8cc)
12.6.45	25	22	25	-	-	0.5 g.per kg.(3.6cc)
13.6.45	42	38	29	-	-	0.5 g.perkg.(3.8 cc)
14.6.45	58	52	44	-	-	0.5 g.per kg.(4.0cc)
15.6.45	66	60	42	+	+	0.5 g.per kg.(3.8cc)
16.6.45	63	56	48	47	178	0.5 g.per kg.(3.8cc)
17.6.45	51	46	43	+	+	0.5 g.per kg.(3.8cc)
18.6.45	55	49	41	24	21	0.5 g.per kg.(3.8cc)
19.6.45	54	49	37	+	+	0.5 g.per kg.(3.8cc)
20.6.45	47	42	48	82	270	0.5.g.per kg.(3.8cc)

Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
21.6.45	1885	568	110 g.bran 420 g.cab. 11 g. hay 298 cc.water	653	120	-	9.2
22.6.45	1925	285	70 g.bran 355 g.cab. 15 g. hay 117 cc.water	497	92	-	9.5
23.6.45	1965	527	115 g.bran 455 g.cab. 4 g. hay 234 cc.water	667	123	-	8.5
24.6.45	1980	420	68 g.bran 330 g.cab. 8 g. hay 118 cc.water	458	84	-	9.9
25.6.45	1895	439	85 g.bran 425 g.cab. 9 g.hay 143 cc.water	570	104	-	8.5
26.6.45	1880	367	70 g.bran 435 g.cab. 10 g.hay 65 cc.water	532	97	-	8.8
27.6.45	1895	431	85 g.bran 390 g.cab. 4 g.hay 186 cc.water	532	96	-	8.3
28.6.45	1890	349	95 g.bran 415 g.cab. 10 g.hay 96 cc.water	600	111	-	10.7
29.6.45	1905	284	85 g.bran 355 g.cab. 5 g. hay 136 cc.water	512	94	-	9.5
30.6.45	1885	363	95 g.bran 455 g.cab. 7 g.hay 80 cc.water	615	112	-	9.2
1.7.45	1960	395	75 g.bran 493 g.cab. 5 g.hay 113 cc.water	570	102	-	9.2
2.7.45	1910	458	90 g.bran 445 g.cab. 7 g.hay 102 cc.water	592	108	-	9.5

Rabbit 36.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
21.6.45	52	47	39	+	+	-
22.6.45	28	25	27	49	84	-
23.6.45	45	41	34	+	+	-
24.6.45	42	37	44	+	+	-
25.6.45	37	34	33	-	-	-
26.6.45	33	29	30	-	-	-
27.6.45	36	32	33	-	-	-
28.6.45	38	34	31	-	-	-
29.6.45	27	24	26	-	-	-
30.6.45	33	30	27	-	-	-
1.7.45	37	33	32	-	-	-
2.7.45	44	39	36	-	-	-

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Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g%.
3.7.45	1895	463	110 g.bran 485 g.cab. 10 g.hay 121 cc.water	691	127	-	8.5
4.7.45	1935	332	85 g.bran 670 g.cab. 5 g. hay 56 cc.water	714	125	-	10.7
5.7.45	1885(f)	368	80 g.bran 310 g.cab. 1 g. hay 99 cc.water	454	83	508(f)	9.2
6.7.45	1935	269	95 g.bran 440 g.cab. 11 g.hay 71 cc.water	619	113	-	10.3
7.7.45	1920	323	100 g.bran 410 g.cab. 5 g. hay 70 cc.water	594	109	-	10.7
8.7.45	1940	371	110 g.bran 405 g.cab. 1 g. hay 121 cc.water	610	112	-	10.3
9.7.45	1865	351	120 g.bran 310 g.cab. 7 g. hay 118 cc.water	600	113	-	9.9
10.7.45	1845	229	55 g.bran 270 g.cab. 11 g.hay 34 cc.water	383	70	-	10.3
11.7.45	1960	337	70 g.bran 565 g.cab. 5 g. hay 53 cc.water	599	106	-	8.3
12.7.45	2025	448	95 g.bran 600 g.cab. 30 cc.water	685	121	-	10.3
13.7.45	2050	469	90 g.bran 560 g.cab. 2 g. hay 66 cc.water	649	116	-	9.9
14.7.45	1990	428	95 g.bran 525 g.cab. 11 g. hay 12 cc.water	673	122	-	8.3

Rabbit 36.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
3.7.45	39	35	28	-	-	-
4.7.45	35	32	26	-	-	-
5.7.45	34	31	37	-	-	-
6.7.45	28	25	22	-	-	-
7.7.45	34	31	28	-	-	-
8.7.45	38	34	30	-	-	-
9.7.45	35	31	27	-	-	0.5 g.per kg.(3.8cc)
10.7.45	24	21	30	-	-	0.5 g.per kg.(3.6cc)
11.7.45	28	25	24	-	-	0.5 g.per kg.(4.0cc)
12.7.45	46	42	35	117	431	0.5 g.per kg.(4.0cc)
13.7.45	47	42	36	+	+	0.5 g.per kg.(4.2cc)
14.7.45	36	32	26	+	+	0.5 g.per kg.(4.0cc)

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Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
15.7.45	2050	373	75 g.bran 554 g.cab. 7 g. hay 12 cc.water	615	109	-	9.5
16.7.45	2050	533	125 g.bran 600 g.cab. 2 g. hay 17 cc.water	786	142	-	8.5
17.7.45	2075	421	130 g.bran 495 g.cab. 9 g. hay 80 cc.water	757	140	-	9.9
18.7.45	2025	550	115 g.bran 525 g.cab. 11 g. hay 35 cc.water	735	135	-	8.5
19.7.45	2025(f)	362	85 g.bran 335 g.cab. 8 g. hay 48 cc.water	509	94	461(f)	11.6
20.7.45	2080	451	130 g.bran 515 g.cab. 10 g. hay 167 cc.water	774	143	-	10.3
21.7.45	2055	489	115 g.bran 500 g.cab. 11 g. hay 96 cc.water	719	132	-	8.8
22.7.45	1995	551	115 g.bran 525 g.cab. 6 g. hay 85 cc.water	719	132	-	8.5
23.7.45	1940	442	125 g.bran 480 g.cab. 13 g. hay 70 cc.water	744	138	-	8.5
24.7.45	2010	451	120 g.bran 500 g.cab. 10 g. hay 139 cc.water	732	135	-	8.5
25.7.45	1860	502	115 g.bran 450 g.cab. 12 g. hay 100 cc.water	690	128	-	8.5

Rabbit 36.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P. E.
15.7.45	35	32	29	74	201	0.5 g.per kg.(4.2cc)
16.7.45	45	41	29	322	1696	0.5 g.per kg.(4.2cc)
17.7.45	42	37	26	+	+	0.5 g.per kg.(4.2cc)
18.7.45	47	42	31	126	583	0.5 g.per kg.(4.0cc)
19.7.45	42	38	40	+	+	-
20.7.45	46	42	29	+	+	-
21.7.45	43	39	30	+	+	-
22.7.45	47	42	32	+	+	-
23.7.45	37	34	25	27	31	-
24.7.45	38	35	25	-	-	-
25.7.45	43	38	30	-	-	-

Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
26.7.45	1925	471	130 g.bran 530 g.cab. 8 g.hay 128 cc.water	776	142	-	7.7
27.7.45	1960	467	120 g.bran 475 g.cab. 13 g. hay 148 cc.water	725	135	-	9.5
28.7.45	1935	512	125 g.bran 495 g.cab. 14 g. hay 102 cc.water	758	141	-	9.5
29.7.45	1885	521	125 g.bran 410 g.cab. 13 g. hay 196 cc.water	699	131	-	9.5
30.7.45	1835	375	145 g.bran 270 g.cab. 12 g. hay 233 cc.water	670	129	-	10.3
31.7.45	1855	438	145 g.bran 305 g.cab. 15 g. hay 226 cc.water	702	135	-	9.5
1.8.45	1910	390	120 g.bran 415 g. cab. 14 g. hay 189 cc.water	691	130	-	10.3
2.8.45	1910	457	135 g.bran 465 g.cab. 13 g. hay 121 cc.water	766	143	-	9.5
3.8.45	1900	325	150 g.bran 240 g.cab. 15 g. hay 220 cc.water	677	131	-	9.5
4.8.45	1940	442	130 g.bran 435 g.cab. 13 g.hay 192 cc.water	732	137	-	8.8
5.8.45	1955	485	115 g.bran 405 g.cab. 14 g. hay 237 cc.water	668	126	-	8.5
6.8.45	1950	395	135 g.bran 355 g.cab. 14 g. hay 186 cc.water	699	133	-	9.5

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Rabbit 36.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
26.7.45	36	33	23	-	-	-
27.7.45	44	40	30	-	-	-
28.7.45	49	44	31	-	-	-
29.7.45	49	45	34	-	-	-
30.7.45	39	35	27	-	-	-
31.7.45	42	38	28	-	-	-
1.8.45	40	36	28	-	-	-
2.8.45	44	39	27	-	-	-
3.8.45	31	28	21	-	-	-
4.8.45	39	35	26	-	-	-
5.8.45	42	38	30	-	-	-
6.8.45	38	34	26	-	-	-

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Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
7.8.45	1910(f)	392	110 g.bran 285 g.cab. 13 g. hay 168 cc.water	572	109	489(f)	9.9
8.8.45	1940	334	130 g.bran 265 g.cab. 15 g. hay 171 cc.water	630	121	-	10.3
9.8.45	1950	394	95 g.bran 450 g.cab. 14 g. hay 85 cc.water	635	117	-	9.2
10.8.45	1950	429	125 g.bran 415 g.cab. 14 g. hay 178 cc.water	707	133	-	10.3
11.8.45	1955	480	135 g.bran 420 g.cab. 14 g. hay 222 cc.water	741	139	-	9.9
12.8.45	2025	464	90 g.bran 505 g.cab. 14 g. hay 162 cc.water	653	120	-	9.5
13.8.45	1975	603	103 g.bran 485 g.cab. 15 g. hay 226 cc.water	691	127	-	9.9
14.8.45	2005	481	128 g.bran 425 g.cab. 15 g. hay 223 cc.water	732	137	-	8.8
15.8.45	2050	556	130 g.bran 485 g.cab. 11 g. hay 232 cc.water	757	140	-	9.2
16.8.45	1980	435	95 g.bran 400 g.cab. 14 g. hay 126 cc.water	603	112	-	9.2
17.8.45	2040	452	105 g.bran 465 g.cab. 11 g. hay 192 cc.water	666	122	-	9.9
18.8.45	2125	513	95 g.bran 530 g.cab. 13 g.hay 226 cc.water	682	124	-	9.9

Rabbit 36.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
7.8.45	39	35	32	-	-	-
8.8.45	34	31	26	-	-	0.5 g. per kg.(3.8cc)
9.8.45	36	32	27	-	-	0.5 g. per kg.(4.0cc)
10.8.45	44	40	30	-	-	0.5 g. per kg.(4.0cc)
11.8.45	48	43	31	+	+	0.5 g. per kg.(4.0cc)
12.8.45	44	40	33	+	+	0.5 g. per kg.(4.0cc)
13.8.45	59	54	43	34	84	0.5 g. per kg.(4.0cc)
14.8.45	42	38	28	+	+	0.5 g. per kg.(4.0cc)
15.8.45	52	46	33	41	117	0.5 g. per kg.(4.2cc)
16.8.45	41	36	32	+	+	0.5 g. per kg.(4.0cc)
17.8.45	45	40	33	25	23	0.5 g. per kg.(4.0cc)
18.8.45	51	46	37	+	+	-

Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
19.8.45	2015	639	135 g.bran 420 g.cab. 14 g.hay 229 cc.water	741	139	-	7.3
20.8.45	1900	645	130 g.bran 480 g.cab. 14 g. hay 231 cc.water	764	142	-	7.7
21.8.45	1930	430	120 g.bran 355 g.cab. 15 g. hay 175 cc.water	655	124	-	9.5
22.8.45	1955	470	115 g.bran 590 g.cab. 14 g. hay 113 cc.water	787	144	-	9.2
23.8.45	1995	498	110 g.bran 465 g.cab. 15 g. hay 93 cc.water	695	128	-	8.8
24.8.45	1960	422	95 g.bran 490 g.cab. 13 g.hay 93cc.water	657	120	-	7.5
25.8.45	1925	485	135 g.bran 550 g.cab. 11 g. hay 81 cc.water	814	149	-	7.5
26.8.45	1950	425	105 g.bran 480 g.cab. 11 g. hay 139 cc.water	675	123	-	7.5
27.8.45	1955	435	100 g.bran 535 g. cab. 4 g. hay 60 cc.water	671	121	-	8.0
28.8.45	1945	385	95 g bran 360 g.cab. 11 g. hay 112 cc.water	567	105	-	8.0
29.8.45	1955	460	95 g.bran 525 g.cab. 10 g. hay 84 cc.water	670	122	-	6.9
30.8.45	1900	457	115 g.bran 360 g. cab. 12 g. hay 163 cc.water	632	119	-	6.9

114.

Rabbit 36.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
19.8.45	47	42	30	+	+	-
20.8.45	50	45	32	-	-	-
21.8.45	41	37	30	-	-	-
22.8.45	43	39	27	-	-	-
23.8.45	44	40	31	-	-	-
24.8.45	32	28	23	-	-	-
25.8.45	36	33	22	-	-	-
26.8.45	32	29	24	-	-	-
27.8.45	35	31	26	-	-	-
28.8.45	31	28	27	-	-	-
29.8.45	32	29	24	-	-	-
30.8.45	32	29	24	-	-	-

115.

Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g. %
31.8.45	1960	285	100 g.bran 390 g.cab. 14 g. hay 114 cc.water	612	114	-	8.3
1.9.45	1935	363	115 g.bran 300 g.cab. 14 g. hay 118 cc.water	601	115	-	8.8
2.9.45	1940	282	100 g.bran 340 g.cab. 13 g. hay 130 cc.water	576	108	-	7.7
3.9.45	1920	296	95 g.bran 330 g.cab. 13 g. hay 90 cc.water	554	104	-	8.3
4.9.45	1960	403	110 g.bran 550 g.cab. 13 g. hay 100 cc.water	742	135	-	8.0
5.9.45	1985	430	100 g.bran 425 g.cab. 14 g. hay 95 cc.water	634	118	-	8.3
6.9.45	1940	465	120 g.bran 490 g.cab. 15 g. hay 46 cc.water	742	137	-	7.7
7.9.45	1945	443	110 g.bran 500 g.cab. 15 g. hay 82 cc.water	717	131	-	7.7
8.9.45	1900	400	95 g. bran 515 g.cab. 14 g. hay 74 cc.water	677	124	-	8.0
9.9.45	1945	387	95 g.bran 550 g.cab. 14 g. hay 89 cc.water	699	121	-	7.1
10.9.45	1955	400	100 g.bran 545 g.cab. 14 g.hay 43 cc.water	711	130	-	7.1
11.9.45	1955	393	75 g.bran 485 g.cab. 14 g. hay 45 cc.water	593	108	-	7.5

116.
Rabbit 36.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
31.8.45	24	22	19	-	-	-
1.9.45	32	29	25	-	-	-
2.9.45	22	19	18	-	-	-
3.9.45	25	22	21	-	-	-
4.9.45	32	29	21	-	-	-
5.9.45	36	32	27	-	-	-
6.9.45	36	33	24	-	-	-
7.9.45	34	31	24	-	-	-
8.9.45	32	29	23	-	-	-
9.9.45	28	25	20	-	-	-
10.9.45	28	26	20	-	-	-
11.9.45	29	26	24	-	-	-

117.
Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g. %
12.9.45	1890(f)	398	85 g.bran 445 g.cab. 13 g. hay 20 cc.water	596	109	458(f)	6.3
13.9.45	1905	395	85 g.bran 495 g.cab. 14 g. hay 32 cc.water	632	115	-	6.9
14.9.45	1860	306	90 g.bran 380 g.cab. 15 g. hay 17 cc.water	576	107	-	9.2
15.9.45	1895	321	105 g.bran 335 g.cab. 14 g. hay 53 cc.water	592	112	-	9.2
16.9.45	1965	250	135 g.bran 415 g.cab. 14 g. hay 38 cc.water	738	139	-	10.5
17.9.45	1875	466	80 g.bran 490 g.cab. 14 g. hay 4 cc.water	613	111	-	9.9
18.9.45	2075	352	73 g.bran 520 g.cab. 14 g. hay 131 cc.water	616	111	-	8.0
19.9.45	1880	471	130 g.bran 480 g.cab. 14 g. hay 73 cc.water	764	142	-	8.3
20.9.45	1855	498	60 g.bran 495 g.cab. 15 g. hay 8 cc.water	556	99	-	7.4
21.9.45	1870	390	115 g.bran 495 g.cab. 10 g.hay 97 cc.water	713	132	-	9.2
22.9.45	1885	560	115 g.bran 600 g.cab. 15 g. hay 99 cc.water	796	145	-	9.0
23.9.45	1900	663	110 g.bran 600 g.cab. 14 g.hay 196 cc.water	778	141	-	7.9

Rabbit 36.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
12.9.45	25	23	21	-	-	-
13.9.45	27	25	22	-	-	0.5 g.per kg.(3.8cc)
14.9.45	28	25	23	-	-	0.5 g.per kg.(3.8cc)
15.9.45	30	27	23	-	-	0.5 g.per kg.(3.8cc)
16.9.45	26	24	17	-	-	0.5 g.per kg.(4.0cc)
17.9.45	46	42	38	-	-	0.5 g.per kg.(3.8cc)
18.9.45	28	25	23	-	-	0.5 g.per kg.(4.2cc)
19.9.45	39	35	25	-	-	0.5 g.per kg.(3.8cc)
20.9.45	37	33	33	-	-	0.5 g.per kg.(3.8cc)
21.9.45	36	32	24	-	-	0.5 g.per kg.(3.8cc)
22.9.45	50	45	31	-	-	0.5 g.per kg.(3.8cc)
23.9.45	52	47	33	-	-	-

Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g. %
24.9.45	1905	636	125 g.bran 595 g.cab. 14 g. hay 166 cc.water	822	151	-	8.4
25.9.45	1820	700	130 g.bran 560 g.cab. 15 g.hay 194 cc.water	818	150	-	8.1
26.9.45	1820	417	120 g.bran 300 g.cab. 15 g.hay 216 cc.water	620	118	-	9.2
27.9.45	1805	417	115 g.bran 300 g.cab. 15 g.hay 166 cc.water	604	115	-	9.2
28.9.45	1800	547	125 g.bran 545 g.cab. 14 g.hay 145 cc.water	790	146	-	9.5
29.9.45	1770	447	100 g.bran 555 g.cab. 14 g. hay 97 cc.water	717	131	-	8.8
30.9.45	1795	588	100 g.bran 592 g.cab. 15 g. hay 64 cc.water	743	134	-	9.5
1.10.45	1835	454	120 g.bran 550 g.cab. 14 g. hay 69 cc.water	777	143	-	8.5
2.10.45	1860	540	125 g.bran 570 g.cab. 14 g.hay 132 cc.water	806	148	-	8.8
3.10.45	1875	527	120 g.bran 600 g.cab. 13 g. hay 60 cc.water	805	147	-	7.9
4.10.45	1800	618	100 g.bran 570 g.cab. 14 g. hay 8 cc.water	727	132	-	8.8
5.10.45	1840	389	105 g.bran 495 g.cab. 13 g. hay 95 cc.water	691	127	-	9.5

120.
Rabbit 36.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
24.9.45	53	48	32	-	-	-
25.9.45	57	51	34	-	-	-
26.9.45	39	35	30	-	-	-
27.9.45	39	35	30	-	-	-
28.9.45	52	47	32	-	-	-
29.9.45	40	36	27	-	-	-
30.9.45	56	50	37	-	-	-
1.10.45	39	35	24	-	-	-
2.10.45	48	43	29	-	-	-
3.10.45	42	38	26	-	-	-
4.10.45	55	49	37	-	-	-
5.10.45	37	33	26	-	-	-

121.
Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
6.10.45	1900	430	100 g.bran 580 g.cab. 9 g.hay 74 cc.water	716	129	-	9.2
7.10.45	1900	522	100 g.bran 598 g.cab. 14 g.hay 54 cc.water	746	135	-	8.3
8.10.45	1875	487	120 g.bran 500 g.cab. 13 g.hay 109 cc.water	741	137	-	8.0
9.10.45	1830	570	120 g.bran 560 g.cab. 14 g.hay 70 cc.water	783	144	-	8.5
10.10.45	1850	385	115 g.bran 470 g.cab. 14 g.hay 55 cc.water	710	132	-	11.1
11.10.45	1820(f)	329	120 g.bran 330 g.cab. 14 g. hay 77 cc.water	636	121	490(f)	11.6
12.10.45	1845	426	120 g.bran 540 g.cab. 14 g. hay 76 cc.water	771	142	-	10.3
13.10.45	1840	441	120 g.bran 545 g.cab. 13 g.hay 60 cc.water	770	142	-	9.9
14.10.45	1870	424	110 g.bran 530 g.cab. 14 g. hay 72 cc.water	733	134	-	9.9
15.10.45	1890	398	125 g.bran 490 g.cab. 14 g. hay 85 cc.water	755	140	-	10.7
16.10.45	1920	391	120 g.bran 500 g.cab. 14 g. hay 63 cc.water	745	138	-	11.4
17.10.45	1810	648	130 g.bran 590 g.cab. 14 g. hay 80 cc.water	835	153	-	10.9

Rabbit 36.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
6.10.45	40	36	28	-	-	-
7.10.45	43	39	29	-	-	-
8.10.45	39	35	26	-	-	-
9.10.45	49	44	30	-	-	-
10.10.45	43	39	30	-	-	-
11.10.45	38	35	29	-	-	-
12.10.45	44	40	28	-	-	-
13.10.45	44	39	27	-	-	-
14.10.45	42	38	28	-	-	-
15.10.45	43	39	28	-	-	-
16.10.45	45	40	29	-	-	-
17.10.45	71	64	42	-	-	-

Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary polyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
18.10.45	1865	404	90g.bran 565 g.cab. 14 g. hay 48 cc.water	692	126	-	9.7
19.10.45	1855	457	130 g.bran 505 g.cab. 14 g. hay 96 cc.water	780	145	-	8.4
20.10.45	1845	521	110 g.bran 590 g.cab. 14 g. hay 67 cc.water	772	140	-	8.8
21.10.45	1865	527	100 g.bran 560 g.cab. 14 g. hay 71 cc.water	720	131	-	8.8
22.10.45	1805	450	110 g.bran 510 g.cab. 14 g.hay 70cc.water	720	132	-	8.7
23.10.45	1800	575	90 g.bran 595 g.cab. 14 g.hay 13 cc.water	711	129	-	8.7
24.10.45	1845	377	85 g.bran 500 g.cab. 14 g.hay 87 cc.water	635	115	-	9.0
25.10.45	1865	455	125 g.bran 550 g.cab. 14 g.hay 65 cc.water	793	146	-	9.5
26.10.45	1865	472	110 g.bran 560 g.cab. 14 g.hay 70 cc.water	752	137	-	7.6
27.10.45	1810	538	85 g.bran 585 g.cab. 13 g.hay 65 cc.water	685	123	-	7.3
28.10.45	1915	436	90 g.bran 594 g.cab. 14 g.hay 107 cc.water	711	129	-	8.3
29.10.45	1790	573	105 g.bran 565 g.cab. 14 g. hay 63 cc.water	740	135	-	7.4

124.

Rabbit 36.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	Average Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
18.10.45	39	35	28	-	-	-
19.10.45	38	35	24	-	-	-
20.10.45	46	41	29	-	-	-
21.10.45	46	42	32	-	-	-
22.10.45	39	35	27	-	-	-
23.10.45	50	45	35	-	-	-
24.10.45	34	31	27	-	-	-
25.10.45	43	39	27	-	-	-
26.10.45	36	32	23	-	-	-
27.10.45	39	36	29	-	-	-
28.10.45	36	33	25	-	-	-
29.10.45	42	38	28	-	-	-

Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
30.10.45	1785	567	110 g.bran 595 g.cab. 14 g.hay 69 cc.water	775	141	-	7.6
31.10.45	1865	475	100 g.bran 550 g.cab. 13 g.hay 197 cc.water	710	129	-	8.0
1.11.45	1850	510	110 g.bran 435 g.cab. 14 g.hay 218 cc.water	672	125	-	8.4
2.11.45	1825(f)	434	85 g.bran 315 g.cab. 12 g.hay 230 cc.water	510	95	460(f)	8.4
3.11.45	1875	435	115 g.bran 460 g.cab. 14 g.hay 220 cc.water	703	131	-	8.7
4.11.45	1835	410	85 g.bran 335 g.cab. 14 g.hay 187 cc.water	529	99	-	9.4
5.11.45	1845	448	80 g.bran 550 g.cab. 12 g.hay 173 cc.water	644	115	-	8.5
6.11.45	1950	564	95 g.bran 565 g.cab. 12 g.hay 287 cc.water	702	127	-	9.5
7.11.45	1935	443	115 g.bran 480 g.cab. 7 g.hay 142 cc.water	693	127	-	8.4
8.11.45	1935	391	95 g.bran 380 g.cab. 12 g.hay 169 cc.water	583	108	-	8.4
9.11.45	1970	420	80 g.bran 540 g.cab. 12 g.hay 58 cc.water	638	114	-	8.7
10.11.45	1930	399	70 g.bran 388 g.cab. 11 g. hay 122 cc.water	507	92	-	8.3

126.

Rabbit 36.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
30.10.45	43	39	28	-	-	-
31.10.45	38	34	26	-	-	-
1.11.45	43	39	31	-	-	-
2.11.45	37	33	35	-	-	-
3.11.45	38	34	26	-	-	-
4.11.45	39	35	35	-	-	-
5.11.45	38	34	30	-	-	-
6.11.45	54	48	38	-	-	-
7.11.45	37	34	27	-	-	-
8.11.45	33	30	28	-	-	-
9.11.45	37	33	29	-	-	-
10.11.45	33	30	33	-	-	-

Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
11.11.45	1955	272	70 g.bran 420 g.cab. 14 g.hay 63 cc.water	536	98	-	8.3
12.11.45	1980	320	75 g.bran 460 g.cab. 11 g.hay 67 cc.water	567	102	-	8.7
13.11.45	1950	307	80 g.bran 320 g.cab. 14 g.hay 139 cc.water	504	94	-	8.0
14.11.45	1875	388	120 g.bran 360 g.cab. 14 g.hay 107 cc.water	655	124	-	6.7
15.11.45	1855	79	15 g.bran 185 g.cab. 13 g.hay 25 cc.water	207	39	-	4.3
16.11.45	1880	373	15 g.bran 495 g.cab. 14 g.hay 91 cc.water	410	71	-	3.7
17.11.45	1845	367	70 g.bran 440 g.cab. 12 g. hay 55 cc.water	542	98	-	6.7
18.11.45	1855	386	88 g.bran 385 g.cab. 14 g. hay 204 cc.water	576	108	-	8.7
19.11.45	1850	380	95 g.bran 420 g.cab. 12 g.hay 123 cc.water	609	112	-	8.4
20.11.45	1870	-	-	-	-	-	+
21.11.45	1865	-	-	-	-	-	+
22.11.45	1885	-	-	-	-	-	+
23.11.45	1870(f)	-	-	-	-	452(f)	+
24.11.45	1900	-	-	-	-	-	+
25.11.45	1900	-	-	-	-	-	+

Rabbit 36.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
11.11.45	23	20	20	-	-	-
12.11.45	28	25	25	-	-	-
13.11.45	25	22	23	-	-	-
14.11.45	26	23	19	-	-	-
15.11.45	3	3	8	-	-	-
16.11.45	14	12	17	-	-	-
17.11.45	25	22	22	-	-	-
18.11.45	34	30	28	-	-	-
19.11.45	32	29	26	-	-	-
20.11.45	+	+	-	-	-	-
21.11.45	+	+	-	-	-	-
22.11.45	+	+	-	-	-	-
23.11.45	+	+	-	-	-	-
24.11.45	+	+	-	-	-	-
25.11.45	+	+	-	-	-	-

Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
26.11.45	1920	-	-	-	-	-	+
27.11.45	1895	-	-	-	-	-	+
28.11.45	1875	-	-	-	-	-	+
29.11.45	1895	-	-	-	-	-	+
30.11.45	1885	-	-	-	-	-	+
1.12.45	1900	-	-	-	-	-	+
2.12.45	1945	-	-	-	-	-	+
3.12.45	1905	-	-	-	-	-	+
4.12.45	1945	-	-	-	-	-	+
5.12.45	1945	-	-	-	-	-	+
6.12.45	1930	-	-	-	-	-	+
7.12.45	1900	-	-	-	-	-	+
8.12.45	1950	473	130 g.bran 435 g.cab. 11 g.hay 235 cc.water	725	135	-	9.9
9.12.45	1915	505	105 g.bran 425 g.cab. 13 g.hay 212 cc.water	646	120	-	8.1
10.12.45	1970	439	110 g.bran 415 g.cab. 7 g.hay 225 cc.water	637	117	-	9.9
11.12.45	1975	400	115 g.bran 420 g.cab. 12 g. hay 124 cc.water	671	125	-	8.7
12.12.45	1900	535	115 g.bran 500 g.cab. 12 g. hay 166 cc.water	722	133	-	9.4
13.12.45	1880	418	100 g.bran 370 g.cab. 14 g. hay 200 cc.water	599	112	-	9.5

130.
Rabbit 36.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
26.11.45	+	+	-	-	-	-
27.11.45	+	+	-	-	-	-
28.11.45	+	+	-	-	-	-
29.11.45	+	+	-	-	-	-
30.11.45	+	+	-	-	-	-
1.12.45	+	+	-	-	-	-
2.12.45	+	+	-	-	-	-
3.12.45	+	+	-	-	-	-
4.12.45	+	+	-	-	-	-
5.12.45	+	+	-	-	-	-
6.12.45	+	+	-	-	-	-
7.12.45	+	+	-	-	-	-
8.12.45	47	42	31	-	-	-
9.12.45	41	37	31	-	-	-
10.12.45	44	39	33	-	-	-
11.12.45	35	31	25	-	-	-
12.12.45	50	45	34	-	-	-
13.12.45	40	36	32	-	-	-

Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
14.12.45	1920	394	115 g.bran 355 g.cab. 14 g.hay 229 cc.water	636	121	-	9.9
15.12.45	1900	360	120 g.bran 365 g.cab. 14 g. hay 236 cc.water	659	125	-	10.3
16.12.45	1960	373	110 g.bran 415 g.cab. 14 g.hay 167 cc.water	660	123	-	9.5
17.12.45	1950	490	115 g.bran 370 g.cab. 14 g.hay 261 cc.water	646	122	-	8.7
18.12.45	1855	-	-	-	-	-	+
19.12.45	1905	-	-	-	-	-	+
20.12.45	1920	-	-	-	-	-	+
21.12.45	1890(f)	-	-	-	-	459(f)	+
22.12.45	1865	-	-	-	-	-	+
23.12.45	1885	-	-	-	-	-	+
24.12.45	1900	-	-	-	-	-	+
25.12.45	1875	-	-	-	-	-	+
26.12.45	1900	-	-	-	-	-	+
27.12.45	1900	-	-	-	-	-	+
28.12.45	1915	-	-	-	-	-	+
29.12.45	1900	-	-	-	-	-	+
30.12.45	1905	-	-	-	-	-	+
31.12.45	1905	-	-	-	-	-	+
1.1.46	1905	-	-	-	-	-	+
2.1.46	1885	-	-	-	-	-	+
3.1.46	1885	-	-	-	-	-	+
4.1.46	1900	-	-	-	-	-	+

132.
Rabbit 36.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
14.12.45	39	35	29	-	-	-
15.12.45	37	33	26	-	-	-
16.12.45	35	32	26	-	-	-
17.12.45	43	38	31	-	-	-
18.12.45	+	+	-	-	-	-
19.12.45	+	+	-	-	-	-
20.12.45	+	+	-	-	-	-
21.12.45	+	+	-	-	-	-
22.12.45	+	+	-	-	-	-
23.12.45	+	+	-	-	-	-
24.12.45	+	+	-	-	-	-
25.12.45	+	+	-	-	-	-
26.12.45	+	+	-	-	-	-
27.12.45	+	+	-	-	-	-
28.12.45	+	+	-	-	-	-
29.12.45	+	+	-	-	-	-
30.12.45	+	+	-	-	-	-
31.12.45	+	+	-	-	-	-
1.1.46	+	+	-	-	-	-
2.1.46	+	+	-	-	-	-
3.1.46	+	+	-	-	-	-
4.1.46	+	+	-	-	-	-

Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
5.1.46	1865	-	-	-	-	-	+
6.1.46	1895	-	-	-	-	-	+
7.1.46	1900	-	-	-	-	-	+
8.1.46	1915	-	-	-	-	-	+
9.1.46	1870	507	115 g.bran 415 g.cab. 14 g.hay 298 cc.water	675	127	-	6.1
10.1.46	1865	423	80 g.bran 430 g.cab. 14 g. hay 175 cc.water	574	105	-	8.0
11.1.46	1845	383	125 g.bran 320 g.cab. 14 g. hay 220 cc.water	646	123	-	7.7
12.1.46	1880	471	115 g.bran 450 g.cab. 14 g. hay 230 cc.water	697	130	-	8.8
13.1.46	1885	477	105 g.bran 440 g.cab. 14 g.hay 259 cc.water	660	122	-	8.5
14.1.46	1900	448	120 g.bran 360 g.cab. 13 g.hay 279 cc.water	651	123	-	9.0
15.1.46	1895	-	-	-	-	-	+
16.1.46	1925	-	-	-	-	-	+
17.1.46	1885	-	-	-	-	-	+
18.1.46	1885(f)	-	-	-	-	497(f)	+
19.1.46	1835	-	-	-	-	-	+
20.1.46	1920	-	-	-	-	-	+
21.1.46	1915	-	-	-	-	-	+
22.1.46	1950	-	-	-	-	-	+
23.1.46	1870	-	-	-	-	-	+
24.1.46	1870	-	-	-	-	-	+

134.
Rabbit 36.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
5.1.46	+	+	-	-	-	-
6.1.46	+	+	-	-	-	-
7.1.46	+	+	-	-	-	-
8.1.46	+	+	-	-	-	-
9.1.46	31	28	22	-	-	-
10.1.46	34	30	29	-	-	-
11.1.46	30	27	22	-	-	-
12.1.46	41	37	29	-	-	-
13.1.46	41	37	30	-	-	-
14.1.46	40	36	30	-	-	-
15.1.46	+	+	-	-	-	-
16.1.46	+	+	-	-	-	-
17.1.46	+	+	-	-	-	-
18.1.46	+	+	-	-	-	-
19.1.46	+	+	-	-	-	-
20.1.46	+	+	-	-	-	-
21.1.46	+	+	-	-	-	-
22.1.46	+	+	-	-	-	-
23.1.46	+	+	-	-	-	-
24.1.46	+	+	-	-	-	-

Rabbit 36.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
25.1.46	1870	530	110 g.bran 420 g.cab. 10 g.hay 300 cc.water	650	120	-	8.4
26.1.46	1900	478	95 g.bran 460 g.cab. 12 g. hay 235 cc.water	634	116	-	6.9
27.1.46	1845	437	120 g.bran 345 g.cab. 14 g.hay 238 cc.water	646	123	-	7.5
28.1.46	1915	493	115 g.bran 450 g.cab. 13 g.hay 252 cc.water	693	129	-	7.7
29.1.46	1885	516	105 g.bran 400 g.cab. 14 g.hay 262 cc.water	634	118	-	6.6
30.1.46	1850	303	95 g.bran 290 g.cab. 14 g. hay 130 cc.water	533	101	-	9.2
31.1.46	1840	385	95 g.bran 360 g.cab. 14 g.hay 180 cc.water	577	108	-	8.4
1.2.46	1850	372	85 g.bran 319 g.cab. 14 g.hay 252 cc.water	520	97	-	8.0
2.2.46	1885	416	100 g.bran 395 g.cab. 12 g.hay 264 cc.water	608	113	-	7.3
3.2.46	1845	-	-	-	-	-	+
4.2.46	1815(f)	-	-	-	-	497(f)	+
5.2.46	1865	-	-	-	-	-	+
6.2.46	1865	-	-	-	-	-	+
7.2.46	1850	-	-	-	-	-	+
8.2.46	1850	-	-	-	-	KILLED	

136.
Rabbit 36.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
25.1.46	45	40	33	-	-	-
26.1.46	33	30	26	-	-	-
27.1.46	33	30	24	-	-	-
28.1.46	38	34	26	-	-	-
29.1.46	34	31	26	-	-	-
30.1.46	28	25	25	-	-	-
31.1.46	32	29	27	-	-	-
1.2.46	30	27	28	-	-	-
2.2.46	30	27	24	-	-	-
3.2.46	+	+	-	-	-	-
4.2.46	+	+	-	-	-	-
5.2.46	+	+	-	-	-	-
6.2.46	+	+	-	-	-	-
7.2.46	+	+	-	-	-	-
8.2.46	+	+	-	-	KILLED.	

Rabbit 36.

	Time.	Blood Sugar.
.1.45	10 a.m.	119mg.% (not fasting)
	Alloxan 100 mg. per kg. = 4.3 cc.(5% soln.)	
	11 a.m.	306 mg.%
	12 noon	333
	2.30 p.m.	188
	4 p.m.	99
	6 p.m.	99
.1.45	10 a.m.	272 (not fasting)
	6 p.m.	358
2.45	10 a.m.	343 "
2.45	10 a.m.	355 "

This morning the animal's eyes were exophthalmic, the corneae were hazy and blue and sight appeared reduced. In addition to above noted blood sugar the urine contained a very large amount of acetone. At 3.45 p.m. the animal was down (crouching in bottom of cage, head lowered, weak, exophthalmic with bluish corneae) and had eaten nothing. Impending diabetic coma was diagnosed and insulin treatment started :-

4.30 p.m. 5 units soluble insulin subcut.

6.30 p.m. 5 units sol. insulin + 10 units zinc insulin.

8.30 p.m. Animal was better and given 45 cc. saline intravenously.

10.30 p.m. Animal now climbing up side of cage and starting to drink water.

2.45 10 a.m. Blood sugar 262 mg.% . Urine S + A +++ /

A +++ . Animal stronger and much livelier and brighter. Eyes much better.

1.30 p.m. 10 units zinc insulin.

6.30 p.m. Animal looks normal and has eaten a little cabbage and hay.

2.45 Animal appears normal and its eyes are again normal, but it is still obviously weak. Since it had eaten fairly well and urine gave a weak positive acetone test no insulin was given. In the evening it appeared stronger and was allowed to run about on the floor.

2.45 Acetone more positive than on previous day. Eating more.

2.45 Acetone still very positive. Has eaten less.

2.45 Acetone very strongly positive. Has eaten even less and lost a good deal of weight. Eyes hazy again. Decided to restart insulin.

11.30 a.m. 5 units soluble insulin.

3 p.m. 5 units sol. insulin. Eyes clearer.

6.30 p.m. 10 units zinc insulin.

2.45 Animal still showed strongly positive acetone, though less than yesterday. Had eaten more and eyes were clear. Fairly strong, but continued with insulin, thus :-

1.30 p.m. 10 units zinc insulin.

2.45 Acetone negative. Sugar strongly positive. Eaten well. Condition good. Continued with insulin.

12 noon. 10 units zinc insulin.

.2.45 Acetone negative. Condition good.

1.30/

1.30 p.m. 8 units zinc insulin.

.2.45 Acetone negative

10.15 a.m. 6 units zinc insulin.

.2.45 10.30 a.m. 6 units zinc insulin.

.2.45 11 a.m. 4 units zinc insulin.

.2.45 10.15 a.m. 4 units zinc insulin.

.2.45 10.45 a.m. 2 units zinc insulin.

.2.45 10.45 a.m. 2 units zinc insulin.

6.45 During extract treatment between 30.4.45 and 17.5.45 animal tolerated injections well and after them appeared to be improved not only inweight, but also in strength and the condition of its fur. Today, in spite of loss of weight since disappearance of ketonuria, it is bright and lively. Always very ready for its evening meal, especially cabbage.

.7.45 Animal moulting just now, but otherwise in fairly good trim in spite of thinness and lack of much strength. Always bright and active and keen for food.

.8.45 Fairly extensive, but only partly ulcerated and depilated area noted on back of neck. Moulting in progress.

.9.45 Affected area on back of neck now healed. Still moulting.

.11.45 During past weeks animal's condition has gradually improved, especially as shown by state of fur. Yesterday, however, it went off its food for some/

some unexplained reason.

2.46 Although animal did not make up any appreciable weight, its general condition as indicated by state of fur, strength and activity was considerably improved. It was killed by stunning and found on dissection to be fairly nourished.

PROTOCOLS.

RABBIT 37.

(MALE)

Rabbit 37

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
5.3.45	2125	48	115 g.bran 215 g.cab. 14 g.hay	642	126	-	-
6.3.45	2125	78	100 g.bran 245 g.cab. 15 g.hay	522	100	-	-
7.3.45	2165	127	115 g.bran 275 g.cab. 15 g.hay	588	113	-	-
8.3.45	2175	135	130 g.bran 250 g.cab. 14 g.hay	617	119	-	-
9.3.45	2165	90	135 g.bran 205 g.cab. 14 g.hay	603	118	-	-
10.3.45	2150	109	140 g.bran 265 g.cab. 14 g.hay	658	128	-	-
11.3.45	2150	109	155 g.bran 220 g.cab. 14 g.hay	677	132	-	-
12.3.45	2165	80	125 g.bran 220 g.bab. 15 g.hay	585	113	-	-
13.3.45	2160	68	135 g.bran 160 g.cab. 15 g.hay	577	113	-	-
14.3.45	2175	47	125 g.bran 180 g.cab. 15 g.hay	559	109	-	-
15.3.45	2220	87	130 g.bran 230 g.cab. 15 g.hay	607	117	Blood Sugar Series.	
16 .3.45	2150	180	50 g.bran 160 g.cab. 12 g.hay	299	57	M. 144 E. 133	-
17.3.45	2170	127	120 g.bran 210 g.cab. 14 g.hay	559	109	-	-
18.3.45	2160	203	110 g.bran 290 g.cab. 14 g. hay	580	110	-	-

Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
5.3.45	-	-	-	-	-	-
6.3.45	-	-	-	Blank = 19	-	-
7.3.45	-	-	-	-	-	-
8.3.45	-	-	-	-	-	-
9.3.45	-	-	-	-	-	-
10.3.45	-	-	-	-	-	-
11.3.45	-	-	-	-	-	-
12.3.45	-	-	-	-	-	-
13.3.45	-	-	-	-	-	-
14.3.45	-	-	-	-	-	-
15.3.45	-	-	Alloxan.	50 mg. per kg. = 2.2 cc. intravenous (5% soln.)		
16.3.45	-	-	-	-	-	-
17.3.45	-	-	Alloxan.	12.5 mg. per kg. = 0.6 cc. intravenous.		
18.3.45	-	-	-	-	-	-

Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
19.3.45	2150	160	140 g.bran 270 g.cab. 15 g.hay	664	128	-	2.4
20.3.45	2190	140	125 g.bran 255 g.cab. 15 g.hay	607	117	-	3.4
21.3.45	2185	168	155 g.bran 260 g.cab. 15 g.hay	705	136	-	3.3
22.3.45	2200	102	140 g.bran 280 g.cab. 15 g. hay	670	129	-	3.2
23.3.45	2190	124	165 g.bran 245 g.cab. 15 g.hay	727	142	-	2.1
24.3.45	2180	.107	125 g.bran 300 g.cab. 14 g.hay	633	121	-	0.9
25.3.45	2180	125	140 g.bran 265 g.cab. 14 g. hay	658	128	-	-
26.3.45	2195	89	115 g.bran 280 g.cab. 15 g.hay	591	113	-	-
27.3.45	2185	78	140 g.bran 240 g.cab. 15 g.hay	645	125	-	-
28.3.45	2195	143	140 g.bran 300 g.cab. 15 g.hay	683	131	-	-
29.3.45	2165	132	110 g.bran 260 g.cab. 15 g.hay	563	107	-	-
30.3.45	2125(f)	78	120 g.bran 180 g.cab. 15 g.hay	543	106	135(f)	-
31.3.45	2110	115	100 g.bran 300 g.cab. 15 g. hay	557	105	-	-
1.4.45	2130	120	125 g.bran 290 g.cab. 15 g. hay	630	120	-	-

Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
19.3.45	4	4	3	-	-	-
20.3.45	5	4	3	-	-	-
21.3.45	6	5	4	-	-	-
22.3.45	3	3	2	-	-	-
23.3.45	3	2	1	-	-	-
24.3.45	1	1	1	-	-	-
25.3.45	-	-	-	-	-	-
26.3.45	-	-	-	-	-	-
27.3.45	-	-	-	-	-	-
28.3.45	-	-	-	-	-	-
29.3.45	-	-	-	-	-	-
30.3.45	-	-	-	-	-	-
31.3.45	-	-	-	-	-	-
1.4.45	-	-	-	-	-	-

Rabbit 37.

Blood Sugar Series.

	Time.	Blood Sugar
15.3.45	10 a.m.	146 mg.% (not fasting).
	Alloxan 50 mg. per kg. = 2.2 cc. (5% soln.)	
	11 a.m.	213
	12 noon	187
	2 p.m.	119
	4 p.m.	110
	6 p.m.	119
16.3.45	10 a.m.	144 (not fasting)
	6 p.m.	133

Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
2.4.45	2155	100	125 g.bran 175 g.cab. 15 g.hay	556	109	-	-
3.4.45	2125	125	145 g.bran 300 g.cab. 15 g.hay	699	134	-	-
4.4.45	2160	87	150 g.bran 295 g.cab. 15 g.hay	712	137	-	-
5.4.45	2125	152	140 g.bran 300 g.cab. 15 g.hay	683	131	-	-
6.4.45	2110	145	147 g.bran 275 g.cab. 15 g.hay	683	132	-	-
7.4.45	2080	60	150 g.bran 294 g.cab. 14 g.hay	709	137	-	-
8.4.45	2110	65	145 g.bran 260 g.cab. 15 g.hay	673	130	-	-
9.4.45	2110	84	155 g.bran 292 g.cab. 14 g.hay	722	139	-	-
10.4.45	2160	60	165 g.bran 280 g.cab. 15 g.hay	749	145	-	-
11.4.45	2150	76	135 g.bran 270 g.cab. 15 g.hay	648	124	-	-
12.4.45	2155	113	155 g.bran 300 g.cab. 15 g.hay	731	140	-	-
13.4.45	2105(f)	115	150 g.bran 215 g.cab. 15 g.hay	661	129	149(f)	-
14.4.45	2165	88	155 g.bran 270 g.cab. 14 g.hay	709	137	-	-
15.4.45	2165	106	155 g.bran 280 g.cab. 14 g.hay	715	138	-	-
16.4.45	2160	158	165 g.bran 285 g.cab. 15 g.hay	752	146	-	-

Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
2.4.45	-	-	-	-	-	-
3.4.45	-	-	-	-	-	-
4.4.45	-	-	-	-	-	-
5.4.45	-	-	-	-	-	-
6.4.45	-	-	-	-	-	-
7.4.45	-	-	-	-	-	-
8.4.45	-	-	-	-	-	-
9.4.45	-	-	-	-	-	-
10.4.45	-	-	-	-	-	-
11.4.45	-	-	-	-	-	-
12.4.45	-	-	-	-	-	-
13.4.45	-	-	-	-	-	-
14.4.45	-	-	-	-	-	-
15.4.45	-	-	-	-	-	-
16.4.45	-	-	-	-	-	-

Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
17.4.45	2135	140	180 g.bran 265 g.cab. 15 g.hay	788	153	-	-
18.4.45	2145	107	135 g.bran 250 g.cab. 15 g.hay	635	122	-	-
19.4.45	2165	118	120 g.bran 300 g.cab. 15 g.hay	620	118	-	-
20.4.45	2195	79	130 g.bran 285 g.cab. 14 g.hay	639	124	-	-
21.4.45	2210	108	140 g.bran 275 g.cab. 15 g.hay	667	129	-	-
22.4.45	2180	143	130 g.bran 290 g.cab. 14 g.hay	643	123	-	-
23.4.45	2175	102	115 g.bran 245 g.cab. 15 g.hay	569	110	-	-
24.4.45	2185	122	115 g.bran 280 g.cab. 15 g.hay	591	113	-	-
25.4.45	2200	130	95 g.bran 300 g.cab. 15 g.hay	542	102	-	-
26.4.45	2195	112	120 g.bran 300 g.cab. 15 g.hay	620	118	-	-
27.4.45	2225	137	110 g.bran 300 g.cab. 15 g.hay	589	111	-	-
28.4.45	2225	122	115 g.bran 265 g.cab. 15 g.hay	582	112	-	-
29.4.45	2150	166	110 g.bran 275 g.cab. 14 g.hay	570	109	-	4.3
30.4.45	2195	215	70 g.bran 290 g.cab. 15 g.hay	456	85	-	9.4
1.5.45	2025	452	85 g.bran 300 g.cab. 15 g.hay	510	95	-	8.0

Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
17.4.45	-	-	-	-	-	-
18.4.45	-	-	-	-	-	-
19.4.45	-	-	-	-	-	-
20.4.45	-	-	-	-	-	-
21.4.45	-	-	-	-	-	-
22.4.45	-	-	-	-	-	-
23.4.45	-	-	-	-	-	-
24.4.45	-	-	-	-	-	-
25.4.45	-	-	-	-	-	-
26.4.45	-	-	-	-	-	-
27.4.45	-	-	-	-	-	-
28.4.45	-	-	-	Alloxan.	100 mg. per kg. = 4.4 cc. intravenous.	
29.4.45	-	-	-	-	-	-
30.4.45	21	19	21	-	-	-
1.5.45	36	32	34	-	-	-

Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
2.5.45	1945	393	95 g.bran 300 g.cab. 15 g.hay	542	102	-	8.0
3.5.45	2025	577	135 g.bran 395 g.cab. 14 g.hay	725	137	-	7.8
4.5.45	2010	497	145 g.bran 500 g.cab. 14 g.hay	824	154	-	9.9
5.5.45	2055	418	135 g.bran 405 g.cab. 14 g.hay	731	138	-	8.8
6.4.45	2030	451	130 g.bran 360 g.cab. 11 g.hay	677	127	-	7.8
7.4.45	2050	476	125 g.bran 405 g.cab. 14 g.hay	699	132	-	8.2
8.4.45	2050	419	125 g.bran 400 g.cab. 14 g.hay	697	131	-	8.2
9.4.45	2060	433	125 g.bran 355 g.cab. 12 g.hay	661	125	-	7.2
10.4.45	2005(f)	191	65 g.bran 200 g.cab. 7 g.hay	356	67	427(f)	8.2
11.4.45	2025	475	150 g.bran 385 g.cab. 13 g.hay	762	145	-	7.3
12.4.45	2025	538	150 g bran 475 g.cab. 15 g.hay	827	155	-	8.2
13.4.45	2015	555	130 g.bran 490 g.cab. 14 g.hay	771	143	-	6.9
14. 45	2025	391	135 g.bran 455 g.cab. 13 g.hay	759	142	-	7.7
15.4.45	2040	461	120 g.bran 470 g.cab. 14 g.hay	726	135	-	8.0
16.4.45	2000	476	125 g.bran 460 g.cab. 14 g.hay	735	137	-	7.1

151.
Rabbit 37.

Date	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
2.5.45	31	28	27	-	-	-
3.5.45	45	41	30	-	-	-
4.5.45	50	45	29	-	-	-
5.5.45	37	33	24	-	-	-
6.5.45	35	32	25	-	-	-
7.5.45	39	35	27	-	-	-
8.5.45	34	31	24	-	-	-
9.4.45	31	28	22	-	-	-
10.4.45	16	14	21	-	-	-
11.4.45	35	32	22	-	-	-
12.4.45	44	40	26	-	-	-
13.4.45	39	35	24	-	-	-
14.4.45	30	27	19	-	-	-
15.4.45	37	33	24	-	-	-
16.4.45	34	31	23	-	-	-

Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
17.5.45	2020	417	115 g.bran 440 g.cab. 14 g.hay	691	129	-	6.6
18.5.45	1975(f)	157	55 g.bran 240 g.cab. 10 g.hay	361	67	-	6.7
19.5.45	1985	271	150 g.bran 430 g.cab. 15 g.hay	798	150	-	7.2
20.5.45	1995	424	112 g.bran 500 g.cab. 11 g.hay	704	128	-	7.5
21.5.45	2020	472	115 g.bran 520 g.cab. 14 g.hay	742	137	-	7.1
22.5.45	2045	364	135 g.bran 335 g.cab. 15 g.hay	689	131	-	7.1
23.5.45	2050	435	100 g.bran 490 g.cab. 13 g.hay	672	123	-	7.1
24.5.45	2055	197	50 g.bran 385 g.cab. 11 g.hay	440	79	-	6.4
25.5.45	2055	256	95 g.bran 385 g.cab. 14 g.hay	593	111	-	6.9
26.5.45	2015	340	85 g.bran 495 g.cab. 14 g.hay	632	115	-	6.9
27.5.45	2015	310	75 g.bran 475 g.cab. 7 g.hay	564	101	-	8.8
28.5.45	2005	316	115 g.bran 510 g.cab. 8 g.hay	715	131	-	6.2
29.5.45	2000	339	95 g.bran 460 g.cab. 13 g.hay	637	117	-	7.8
30.5.45	1965	450	105 g.bran 555 g.cab. 11 g.hay	723	131	-	7.8
31.5.45	1965	302	60 g.bran 435 g.cab. 8 g.hay	494	88	-	7.3

153.
Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
17.5.45	28	25	19	-	-	-
18.5.45	11	10	15	-	-	-
19.5.45	19	18	12	-	-	-
20.5.45	32	28	22	-	-	-
21.5.45	33	30	22	-	-	-
22.5.45	26	23	18	-	-	-
23.5.45	31	28	23	-	-	-
24.5.45	13	12	15	-	-	-
25.5.45	18	16	14	-	-	-
26.5.45	24	21	18	-	-	-
27.5.45	27	25	25	-	-	-
28.5.45	20	18	14	-	-	-
29.5.45	27	24	21	-	-	-
30.5.45	35	32	24	-	-	-
31.5.45	22	20	23	-	-	-

154.

Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
1.6.45	1975	298	95 g.bran 400 g.cab. 10 g.hay	590	109	-	7.3
2.6.45	1970	387	115 g.bran 580 g.cab. 9 g.hay	763	139	-	8.8
3.6.45	1935	439	145 g.bran 435 g.cab. 10 g.hay	769	145	-	7.3
4.6.45	1970	479	125 g.bran 560 g.cab. 12 g.hay	792	145	-	6.7
5.6.45	2005	430	165 g.bran 415 g.cab. 13 g.hay	829	158	-	7.3
6.6.45	2020	464	135 g.bran 430 g.cab. 13 g.hay	743	139	-	8.8
7.6.45	1950(f)	234	90 g.bran 220 g.cab. 14 g.hay	471	91	359(f)	9.4
8.6.45	1935	395	135 g.bran 370 g.cab. 14 g.hay	709	134	-	8.2
9.6.45	1955	427	140 g.bran 480 g.cab. 14 g.hay	795	149	-	9.4
10.6.45	2020	495	120 g.bran 465 g.cab. 10 g.hay	795	149	-	8.8
11.6.45	2025	139	30 g.bran 280 g.cab. 11 g.hay	310	55	-	8.8
12.6.45	1995	272	65 g.bran 475 g.cab. 11 g.hay	545	98	-	7.2
13.6.45	2045	317	75 g.bran 435 g.cab. 5 g.hay	531	96	-	11.1
14.6.45	2070	179	65 g.bran 445 g.cab. 7 g.hay	513	92	-	11.1

Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
1.6.45	22	20	18	-	-	-
2.6.45	34	31	22	-	-	-
3.6.45	32	29	20	-	-	-
4.6.45	32	29	20	-	-	-
5.6.45	31	28	18	-	-	-
6.6.45	40	36	26	-	-	-
7.6.45	22	20	22	-	-	-
8.6.45	33	30	22	-	-	0.5 g.per kg.(3.8cc)
9.6.45	40	36	24	-	-	0.5 g.per kg.(4.0cc)
10.6.45	40	36	24	-	-	0.5 g.per kg.(4.0cc)
11.6.45	12	11	20	-	-	0.5 g.per kg.(4.0cc)
12.6.45	19	18	18	-	-	0.5 g.per kg.(4.0cc)
13.6.45	36	32	33	-	-	0.5 g.per kg.(4.0cc)
14.6.45	20	18	20	-	-	0.5 g.per kg.(4.2cc)

156.
Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
15.6.45	2080	318	85 g.bran 455 g.cab. 6 g.hay	580	105	-	12.2
16.6.45	2075	396	90 g.bran 550 g.cab. 9 g.hay	665	120	-	9.5
17.6.45	2110	575	95 g.bran 500 g.cab. 10 g.hay	665	120	-	9.5
18.6.45	2165	548	90 g.bran 455 g.cab. 12 g.hay 332 cc.water	614	113	-	8.2
19.6.45	2165	526	100 g.bran 445 g.cab. 10 g.hay 240 cc.water	634	117	-	9.5
20.6.45	2215	496	80 g.bran 515 g.cab. 289 cc.water	583	103	-	10.7
21.6.45	2235	385	60 g.bran 460 g.cab. 8 g.hay 196 cc.water	510	90	-	9.5
22.6.45	2190	352	80 g.bran 390 g.cab. 12 g.hay 70 cc.water	542	99	-	8.3
23.6.45	2250	295	60 g.bran 520 g.cab. 7 g.hay 95 cc.water	546	95	-	8.0
24.6.45	2205	309	75 g.bran 465 g.cab. 9 g.hay 19 cc.water	564	102	-	8.0
25.6.45	2185	206	55 g.bran 400 g.cab. 6 g. hay 18 cc.water	450	80	-	8.3
26.6.45	2190	222	65 g.bran 435 g.cab. 6 g.hay 14 cc.water	503	91	-	6.3

Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
15.6.45	39	35	33	-	-	0.5 g.per kg.(4.2cc)
16.6.45	38	34	28	-	-	0.5 g.per kg.(4.2cc)
17.6.45	38	34	28	-	-	0.5 g.per kg.(4.2cc)
18.6.45	45	41	36	-	-	0.5 g.per kg.(4.4cc)
19.6.45	50	45	38	-	-	0.5 g.per kg.(4.4cc)
20.6.45	54	48	47	-	-	-
21.6.45	37	33	37	-	-	-
22.6.45	29	26	26	-	-	-
23.6.45	24	22	23	-	-	-
24.6.45	25	22	22	-	-	-
25.6.45	17	16	20	-	-	-
26.6.45	14	13	14	-	-	-

Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
27.6.45	2190	178	75 g.bran 415 g.cab. 23 cc.water	503	90	-	9.2
28.6.45	2205	206	35 g.bran 425 g.cab. 4 g.hay 13 cc.water	396	68	-	5.8
29.6.45	2195	156	40 g.bran 375 g.cab. 16 cc.water	366	64	-	5.3
30.6.45	2205	241	45 g.bran 455 g.cab. 8 g.hay 20 cc.water	459	81	-	3.5
1.7.45	2215	203	40 g.bran 465 g.cab. 6 g.hay 12 cc.water	444	78	-	4.0
2.7.45	2215	223	50 g.bran 425 g.cab. 5 g.hay 16 cc.water	446	79	-	4.0
3.7.45	2075(f)	175	45 g.bran 225 g.cab. 12 g.hay 16 cc.water	325	61	-	4.3
4.7.45	2120	264	50 g.bran 495 g.cab. 13 g.hay 13 cc.water	517	92	-	3.9
5.7.45	2055	251	50 g. bran 435 g.cab. 11 g.hay 10 cc.water	472	84	-	6.2
6.7.45	2065	223	80 g.bran 490 g.cab. 12 g.hay 30 cc.water	606	109	-	8.2
7.7.45	2120	283	70 g.bran 585 g.cab. 11 g.hay 35 cc.water	631	112	-	9.4

Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
27.6.45	17	15	17	-	-	-
28.6.45	12	11	16	-	-	-
29.6.45	9	8	12	-	-	-
30.6.45	8	8	10	-	-	-
1.7.45	8	7	9	-	-	-
2.7.45	9	8	10	-	-	-
3.7.45	8	7	11	-	-	-
4.7.45	10	9	10	-	-	0.5 g.per kg.(4.2cc)
5.7.45	16	14	17	-	-	0.5 g.per kg.(4.2cc)
6.7.45	18	16	15	-	-	0.5 g.per kg.(4.2cc)
7.7.45	26	24	21	-	-	0.5 g.per kg.(4.2cc)

Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
8.7.45	2100	371	125 g.bran 485 g.cab. 109 cc.water	705	129	-	11.6
9.7.45	2140	398	120 g.bran 440 g.cab. 4 g.hay 180 cc.water	674	124	-	10.7
10.7.45	2180	307	75 g.bran 455 g.cab. 14 g.hay 117 cc.water	574	105	-	11.1
11.7.45	2180	247	75 g.bran 540 g.cab. 9 g.hay 16 cc.water	612	109	-	9.9
12.7.45	2180	370	115 g.bran 515 g.cab. 10 g.hay 6 cc.water	726	134	-	6.4
13.7.45	2130	416	120 g.bran 560 g.cab. 9 g.hay 20 cc.water	766	140	-	8.2
14.7.45	2135	320	95 g.bran 535 g.cab. 13 g.hay 15 cc.water	685	125	-	6.4
15.7.45	2140	288	130 g.bran 570 g.cab. 11 g.hay 10 cc.water	812	148	-	7.8
16.7.45	2095	364	105 g.bran 500 g.cab. 11 g.hay 10 cc.water	688	125	-	5.9
17.7.45	2105	369	135 g.bran 535 g.cab. 8 g.hay 17 cc.water	794	146	-	6.4
18.7.45	2120	279	95 g.bran 410 g.cab. 12 g.hay 57 cc.water	602	111	-	6.7
19.7.45	2100	255	105 g.bran 470 g.cab. 9 g.hay 20 cc.water	662	121	-	7.3

Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
8.7.45	43	39	30	-	-	0.5 g.per kg.(4.2cc)
9.7.45	43	39	31	-	-	0.5 g.per kg.(4.2cc)
10.7.45	34	31	30	-	-	0.5 g.per kg.(4.4cc)
11.7.45	25	22	20	-	-	0.5 g.per kg.(4.4cc)
12.7.45	24	21	16	-	-	0.5 g.per kg.(4.4cc)
13.7.45	34	31	22	-	-	0.5 g.per kg.(4.2cc)
14.7.45	21	18	14	-	-	0.5 g.per kg.(4.2cc)
15.7.45	23	20	14	-	-	0.5 g.per kg.(4.2cc)
16.7.45	21	19	15	-	-	-
17.7.45	24	21	14	-	-	-
18.7.45	19	17	15	-	-	-
19.7.49	19	17	14	-	-	-

162.

Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
20.7.45	2110	258	115 g.bran 400 g.cab. 13 g.hay 42 cc.water	661	124	-	8.5
21.7.45	2110	245	130 g.bran 415 g.cab. 14 g.hay 36 cc.water	723	136	-	7.3
22.7.45	2110	232	133 g.bran 340 g.cab. 12 g.hay 19 cc.water	683	129	-	7.8
23.7.45	2075	203	125 g.bran 275 g.cab. 15 g.hay 58 cc.water	620	119	-	7.3
24.7.45	2105	176	155 g.bran 290 g.cab. 14 g.hay 40 cc.water	722	139	-	7.3
25.7.45	2080	212	135 g.bran 200 g.cab. 15 g.hay 102 cc.water	603	117	-	7.3
26.7.45	2125	252	70 g.bran 420 g.cab. 12 g.hay 61 cc.water	529	96	-	7.0
27.7.45	2095	287	115 g.bran 405 g.cab. 14 g.hay 53 cc.water	668	126	-	6.7
28.7.45	2065	233	140 g.bran 285 g.cab. 15 g.hay 80 cc.water	673	130	-	9.4
29.7.45	2105	310	100 g.bran 420 g.cab. 14 g.hay 151 cc.water	631	117	-	7.0
30.7.45	2070	243	140 g.bran 275 g.cab. 14 g.hay 107 cc.water	664	129	-	8.2

Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
20.7.45	22	20	16	-	-	-
21.7.45	18	16	12	-	-	-
22.7.45	18	16	12	-	-	-
23.7.45	15	13	11	-	-	-
24.7.45	13	12	9	-	-	-
25.7.45	15	14	12	-	-	-
26.7.45	18	16	17	-	-	-
27.7.45	20	18	14	-	-	-
28.7.45	22	20	15	-	-	-
29.7.45	22	20	17	-	-	-
30.7.45	20	18	14	-	-	-

Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
31.7.45	2045(f)	174	105 g.bran 200 g.cab. 14 g.hay 85 cc.water	506	98	304(f)	6.7
1.8.45	2015	263	125 g.bran 435g. cab. 13 g.hay 80 cc.water	715	134	-	7.3
2.8.45	2105	300	125 g.bran 410 g.cab. 14 g.hay 129 cc.water	703	132	-	8.2
3.8.45	2160	190	120 g.bran 280 g.cab. 15 g.hay 110 cc.water	607	116	-	7.3
4.8.45	2095	381	120 g.bran 395 g.cab. 14 g.hay 140 cc.water	678	128	-	7.3
5.8.45	2115	308	130 g.bran 380 g.cab. 15 g.hay 107 cc.water	703	132	-	7.3
6.8.45	2110	234	120 g.bran 335 g.cab. 15 g.hay 76 cc.water	642	122	-	7.8
7.8.45	2155	173	145 g.bran 305 g.cab. 14 g.hay 63 cc.water	699	135	-	7.8
8.8.45	2120	130	135 g.bran 285 g.cab. 15 g.hay 44 cc.water	657	126	-	8.8
9.8.45	2115	84	83 g.bran 275 g.cab. 15 g.hay 16 cc.water	494	93	-	6.4
10.8.45	2170	150	115 g.bran 310 g.cab. 15 g.hay 59 cc.water	610	116	-	9.9

Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary polyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
31.7.45	11	10	10	-	-	-
1.8.45	19	17	13	-	-	-
2.8.45	22	20	15	-	-	-
3.8.45	14	13	11	-	-	-
4.8.45	28	25	20	-	-	-
5.8.45	23	20	15	-	-	-
6.8.45	18	16	13	-	-	-
7.8.45	13	12	9	-	-	-
8.8.45	11	10	8	-	-	0.5 g.per kg.(4.2cc)
9.8.45	5	5	5	-	-	0.5 g.per kg.(4.2cc).
10.8.45	15	13	11	-	-	0.5 g.per kg.(4.4cc)

Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr in g.	Blood Sugar in mg.%	Urine Sugar in g.%
11.8.45	2190	159	120 g.bran 355 g.cab. 15 g.hay 36 cc.water	655	124	-	10.3
12.8.45	2205	237	115 g.bran 430 g.cab. 14 g.hay 24 cc.water	684	128	-	8.3
13.8.45	2110	305	113 g.bran 385 g.cab. 15 g.hay 20 cc.water	658	124	-	8.8
14.8.45	2120	230	110 g.bran 415 g.cab. 15 g.hay 25 cc.water	663	123	-	8.0
15.8.45	2140	263	110 g.bran 380 g.cab. 15 g.hay 10 cc.water	640	119	-	8.8
16.8.45	2155	226	135 g.bran 410 g.cab. 12 g.hay 29 cc.water	727	136	-	9.9
17.8.45	2165	195	140 g.bran 305 g.cab. 14 g.hay 47 cc.water	683	132	-	9.5
18.8.45	2175	154	106 g.bran 335 g.cab. 14 g.hay 18 cc.water	592	112	-	8.3
19.8.45	2175	175	100 g.bran 330 g.cab. 14 g.hay 17 cc.water	573	108	-	6.4
20.8.45	2170	135	115 g.bran 240 g.cab. 14 g.hay 15 cc.water	563	109	-	8.3
21.8.45	2100	223	115 g.bran 300 g.cab. 14 g.hay 23cc. water	601	115	-	6.7
22.8.45	2070	230	120 g.bran 365 g.cab. 15 g.hay 13 cc.water	662	125	-	6.7

Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
11.8.45	17	15	12	-	-	0.5 g.per kg.(4.4cc)
12.8.45	20	18	14	-	-	0.5 g.per kg.(4.4cc)
13.8.45	27	25	20	-	-	0.5 g.per kg.(4.2cc)
14.8.45	18	17	14	-	-	0.5 g.per kg.(4.2cc)
15.8.45	23	21	18	-	-	0.5 g.per kg.(4.2cc)
16.8.45	23	21	15	-	-	0.5 g.per kg.(4.4cc)
17.8.45	19	17	13	-	-	0.5 g.per kg.(4.4cc)
18-8-45	13	11	10	-	-	0.5 g.per kg.(4.4cc)
19.8.45	12	10	9	-	-	0.5 g.per kg.(.4.4cc)
20.8.45	12	11	10	-	-	-
21.8.45	15	13	11	-	-	-
22.8.45	15	14	11	-	-	-

168.

Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
23.8.45	2100	158	130 g.bran 300 g.cab. 14 g.hay 27 cc.water	649	124	-	7.5
24.8.45	2100	187	125 g.bran 305 g.cab. 14 g.hay 10 cc.water	636	122	-	6.1
25.8.45	2085	168	110 g.bran 285 g.cab. 15 g.hay 30 cc.water	579	110	-	7.3
26.8.45	2115	110	100 g.bran 425 g.cab. 14 g.hay 20 cc.water	634	118	-	6.1
27.8.45	2095	183	105 g.bran 290 g.cab. 15 g.hay 20 cc.water	567	107	-	6.2
28.8.45	2120	150	115 g.bran 315 g.cab. 13 g.hay 29 cc.water	607	116	-	7.5
29.8.45	2115	205	120 g.bran 330 g.cab. 15 g.hay 7 cc.water	639	121	-	8.8
30.8.45	2110	230	100 g.bran 355 g.cab. 14 g.hay 15 cc.water	589	111	-	7.7
31.8.45	2165	143	120 g.bran 300 g.cab. 12 g.hay 27 cc.water	610	116	-	7.3
1.9.45	2110	232	125 g.bran 315 g.cab. 14 g.hay 18 cc.water	643	123	-	7.0
2.9.45	2115	103	130 g.bran 190 g.cab. 14 g.hay 27 cc.water	579	113	-	7.0
3.9.45	2120	98	105 g.bran 150 g.cab. 14 g.hay 10 cc.water	474	93	-	5.8

169.
Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
23.8.45	12	11	9	-	-	-
24.8.45	12	10	8	-	-	-
25.8.45	12	11	10	-	-	-
26.8.45	7	6	5	-	-	-
27.8.45	11	10	9	-	-	-
28.8.45	11	10	9	-	-	-
29.8.45	19	17	14	-	-	-
30.8.45	18	16	14	-	-	-
31.8.45	10	9	8	-	-	-
1.9.45	16	15	12	-	-	-
2.9.45	7	6	5	-	-	-
3.9.45	6	5	5	-	-	-

Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg. %	Urine Sugar in g.%
4.9.45	2155	135	120 g.bran 280 g.cab. 13 g.hay 8 cc.water	600	115	-	3.0
5.9.45	2165	110	110 g.bran 270 g.cab. 14 g.hay 18 cc.water	567	108	-	5.0
6.9.45	2200	115	120 g.bran 255 g.cab. 14 g.hay 19 cc.water	588	114	-	5.1
7.9.45	2115	232	110 g.bran 275 g.cab. 14 g.hay 37 cc.water	570	109	-	6.1
8.9.45	2165	95	110 g.bran 325 g.cab. 15 g.hay 20 cc.water	605	114	-	5.0
9.9.45	2135	128	120 g.bran 275 g.cab. 15 g.hay 40 cc.water	604	116	-	2.5
10.9.45	2165	85	110 g.bran 95 g.cab. 14 g.hay 21 cc.water	455	91	-	1.6
11.9.45	2125	63	110 g.bran 200 g.cab. 14 g.hay 26 cc.water	522	101	-	3.2
12.9.45	2095(f)	62	80 g.bran 110 g.cab. 14 g.hay 14 cc.water	369	73	154(f)	1.8
13.9.45	2125	96	120 g.bran 225 g.cab. 13 g.hay 40 cc.water	565	110	-	1.1
14.9.45	2065	79	75 g.bran 175 g.cab. 15 g.hay 12 cc.water	398	77	-	2.5

Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
4.9.45	4	4	3	-	-	-
5.9.45	6	5	5	-	-	-
6.9.45	6	6	5	-	-	-
7.9.45	14	13	12	-	-	-
8.9.45	5	5	4	-	-	-
9.9.45	3	3	3	-	-	-
10.9.45	1	1	1	-	-	-
11.9.45	2	2	2	-	-	-
12.9.45	1	1	1	-	-	-
13.9.45	1	1	1	-	-	0.5 g.per kg.(4.2cc)
14.9.45	2	2	3	-	-	0.5 g.per kg.(4.2cc)

Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g. %
15.9.45	2110	112	90 g.bran 270 g.cab. 14 g.hay 17 cc.water	503	96	-	9.5
16.9.45	2220	111	95 g.bran 275 g.cab. 14 g.hay 79 cc.water	523	100	-	12.6
17.9.45	2215	240	105 g.bran 340 g.cab. 15 g.hay 27 cc.water	599	112	-	10.5
18.9.45	2170	349	120 g.bran 390 g.cab. 15 g.hay 37 cc.water	678	127	-	8.0
19.9.45	2130	289	110 g.bran 345 g.cab. 14 g.hay 65 cc.water	615	116	-	6.6
20.9.45	2165	221	70 g.bran 400 g.cab. 15 g.hay 14 cc.water	526	96	-	3.9
21.9.45	2145	280	75 g.bran 390 g.cab. 14 g.hay 7 cc.water	533	98	-	4.0
22.9.45	2190	322	80 g.bran 535 g.cab. 14 g.hay 90 cc.water	641	116	-	4.3
23.9.45	2190	150	65 g.bran 260 g.cab. 15 g.hay 16 cc.water	420	79	-	3.8
24.9.45	2165	312	85 g.bran 445 g.cab. 14 g.hay 9 cc.water	600	110	-	3.5
25.9.45	2190	237	110 g.bran 390 g.cab. 14 g.hay 19 cc.water	644	120	-	6.6

Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	Mage Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
15.9.45	11	9	9	-	-	0.5 g.per kg.(4.2 cc.)
16.9.45	14	13	13	-	-	0.5 g.per kg.(4.4cc)
17.9.45	25	23	21	-	-	0.5 g.per kg.(4.4cc)
18.9.45	28	25	20	-	-	0.5 g.per kg.(4.4cc)
19.9.45	19	17	15	-	-	0.5 g.per kg.(4.2cc)
20.9.45	9	8	8	-	-	0.5 g.per kg.(4.4cc)
21.9.45	11	10	10	-	-	0.5 g.per kg.(4.2cc)
22.9.45	14	12	10	-	-	0.5 g.per kg.(4.4cc)
23.9.45	6	5	6	-	-	0.5 g.per kg.(4.4cc)
24.9.45	11	10	9	-	-	0.5 g.per kg.(4.4cc)
25.9.45	16	14	12	-	-	-

174.
Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
26.9.45	2210	206	95 g.bran 355 g.cab. 14 g.hay 21 cc.water	574	108	-	7.0
27.9.45	2115	237	110 g.bran 310 g.cab. 14 g.hay 11 cc.water	592	112	-	5.3
28.9.45	2140	203	115 g.bran 330 g.cab. 14 g.hay 32 cc.water	620	118	-	7.8
29.9.45	2095	202	125 g.bran 340 g.cab. 14 g.hay 33 cc.water	659	125	-	9.9
30.9.45	2125	292	130 g.bran 375 g.cab. 14 g.hay 26 cc.water	697	132	-	9.2
1.10.45	2075	201	120 g.bran 350 g.cab. 14 g.hay 16 cc.water	649	123	-	7.3
2.10.45	2130	231	120 g.bran 375 g.cab. 14 g.hay 20 cc.water	665	126	-	8.5
3.10.45	2175	187	120 g.bran 330 g.cab. 14 g.hay 32 cc.water	636	121	-	7.1
4.10.45	2150	256	125 g.bran 375 g.cab. 14 g.hay 52 cc.water	681	129	-	8.1
5.10.45	2110(f)	104	45 g.bran 165 g.cab. 14 g.hay 20 cc.water	294	57	216(f)	9.7
6.10.45	2130	221	130 g.bran 360 g.cab. 14 g.hay 9 cc.water	687	130	-	8.0

175.
Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
26.9.45	15	13	12	-	-	-
27.9.45	13	12	11	-	-	-
28.9.45	16	14	12	-	-	-
29.9.45	20	18	14	-	-	-
30.9.45	27	24	18	-	-	-
1.10.45	15	13	11	-	-	-
2.10.45	20	18	14	-	-	-
3.10.45	14	12	10	-	-	-
4.10.45	21	19	15	-	-	-
5.10.45	10	9	16	-	-	-
6.10.45	18	16	12	-	-	-

Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
7.10.45	2135	196	128 g.bran 360 g.cab. 15 g.hay 20 cc.water	690	130	-	8.3
8.10.45	2075	186	120 g.bran 280 g.cab. 14 g.hay 12 cc.water	604	116	-	8.5
9.10.45	2160	219	125 g.bran 430 g.cab. 14 g.hay 28 cc.water	716	134	-	8.4
10.10.45	2165	272	130 g.bran 470 g.cab. 14 g.hay 11 cc.water	758	141	-	8.8
11.10.45	2110	234	130 g.bran 310 g.cab. 14 g.hay 33 cc.water	655	125	-	10.3
12.10.45	2135	199	130 g.bran 340 g.cab. 14 g.hay 26 cc.water	675	128	-	9.2
13.10.45	2175	191	120 g.bran 390 g.cab. 14 g.hay 33 cc.water	675	127	-	9.1
14.10.45	2155	264	135 g.bran 380 g.cab. 14 g.hay 46 cc.water	715	135	-	9.2
15.10.45	2185	190	135 g.bran 300 g.cab. 14 g.hay 100 cc.water	664	127	-	10.3
16.10.45	2160	334	135 g.bran 375 g.cab. 11 g.hay 81 cc.water	702	132	-	10.3
17.10.45	2145	239	130 g.bran 360 g.cab. 14 g.hay 83 cc.water	687	130	-	10.1

177.
Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
7.10.45	17	15	12	-	-	-
8.10.45	16	15	13	-	-	-
9.10.45	19	17	13	-	-	-
10.10.45	24	21	15	-	-	-
11.10.45	24	21	17	-	-	-
12.10.45	18	17	13	-	-	-
13.10.45	17	16	13	-	-	-
14.10.45	24	22	16	-	-	-
15.10.45	20	18	14	-	-	-
16.10.45	34	31	23	-	-	-
17.10.45	24	22	17	-	-	-

Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
18.10.45	2175	268	135 g.bran 345 g.cab. 14 g.hay 72 cc.water	693	132	-	10.3
19.10.45	2140	111	85 g.bran 255 g.cab. 14 g.hay 12 cc.water	478	91	-	8.4
20.10.45	2230	176	95 g.bran 500 g.cab. 12 g.hay 25 cc.water	660	120	-	8.4
21.10.45	2250	223	98 g.bran 435 g.cab. 10 g.hay 22 cc.water	627	116	-	10.1
22.10,45	2270	333	100 g.bran 445 g.cab. 11 g.hay 8 cc.water	637	117	-	8.5
23.10.45	2205	290	125 g.bran 415 g.cab. 14 g.hay 31.cc.water	707	133	-	8.5
24.10.45	2220	322	85 g.bran 450 g.cab. 14 g.hay 15 cc.water	603	110	-	8.3
25.10.45	2250	229	95 g.bran 435 g.cab. 9 g.hay 16 cc.water	608	112	-	8.7
26.10.45	2250	268	90 g.bran 400 g.cab. 14 g.hay 16 cc.water	586	109	-	11.1
27.10.45	2220	178	70 g.bran 265 g.cab. 14 g.hay 14 cc.water	437	83	-	2.9
28.10.45	2285	309	55 g.bran 445 g.cab. 12 g.hay 15 cc.water	498	89	-	4.1

179.
Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
18.10.45	28	25	19	-	-	0.5 g.per kg.(4.4cc)
19.10.45	9	8	9	-	-	0.5 g.per kg.(4.2cc)
20.10.45	15	14	12	-	-	0.5 g.per kg.(4.4cc)
21.10.45	22	20	17	-	-	0.5 g.per kg.(4.6cc)
22.10.45	28	25	21	-	-	0.5 g.per kg.(4.6cc)
23.10.45	25	22	17	-	-	0.5 g.per kg.(4.4cc)
24.10.45	27	24	22	-	-	0.5 g.per kg.(4.4cc)
25.10.45	20	18	16	-	-	0.5 g.per kg.(4.6cc)
26.10.45	30	27	25	-	-	0.5 g.per kg.(4.6cc)
27.10.45	5	5	6	-	-	0.5 g.per kg.(4.4cc)
28.10.45	13	11	12	-	-	0.5 g.per kg.(4.6 cc)

Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
29.10.45	2305	292	75 g.bran 445 g.cab. 13 g.hay 60 cc.water	564	103	-	5.5
30.10.45	2335	262	55 g.bran 420 g.cab. 14 g.hay 15 cc.water	489	88	-	2.5
31.10.45	2275	186	70 g.bran 270 g.cab. 11 g.hay 15 cc.water	430	80	-	4.0
1.11.45	2195(f)	142	50 g.bran 200 g.cab. 8 g.hay 9 cc.water	312	58	-	5.7
2.11.45	2200	187	100 g.bran 300 g.cab. 12 g.hay 26 cc.water	547	103	-	7.6
3.11.45	2195	258	100 g.bran 415 g.cab. 14 g.hay 42 cc.water	628	117	-	10.1
4.11.45	2210	166	127 g.bran 290 g.cab. 14 g.hay 78 cc.water	627	120	-	9.7
5.11.45	2225	218	125 g.bran 345 g.cab. 8 g.hay 65 cc.water	642	121	-	9.2
6.11.45	2220	240	120 g.bran 345 g.cab. 14 g.hay 17 cc.water	646	123	-	8.8
7.11.45	2220	275	145 g.bran 340 g.cab. 12 g.hay 109 cc.water	715	136	-	7.5
8.11.45	2220	197	120 g.bran 370 g.cab. 8 g.hay 45 cc.water	642	120	-	9.7

Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
29.10.45	16	14	14	-	-	0.5 g.per kg.(4.6cc)
30.10.45	7	6	7	-	-	-
31.10.45	8	7	9	-	-	-
1.11.45	8	7	12	-	-	-
2.11.45	14	13	13	-	-	-
3.11.45	26	24	21	-	-	-
4.11.45	17	15	13	-	-	-
5.11.45	20	18	15	-	-	-
6.11.45	21	19	15	-	-	-
7.11.45	21	19	14	-	-	-
8.11.45	19	18	15	-	-	-

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Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr.	Blood Sugar in mg.%	Urine Sugar in g.%
9.11.45	2215	176	110 g.bran 390 g.cab. 14 g.hay 84 cc.water	644	120	-	9.5
10.11.45	2190	267	130 g.bran 375 g.cab. 11 g.hay 80 cc.water	687	129	-	9.9
11.11.45	2170	262	135 g.bran 300 g.cab. 14 g.hay 136 cc.water	664	127	-	10.3
12.11.45	2170	199	110 g.bran 315 g.cab. 10 g.hay 59 cc.water	583	110	-	9.2
13.11.45	2190	271	105 g.bran 300 g.cab. 13 g.hay 160 cc.water	566	107	-	8.5
14.11.45	2185	298	130 g.bran 435 g.cab. 13 g.hay 53 cc.water	731	137	-	8.8
15.11.45	2170	288	125 g.bran 385 g.cab. 13 g.hay 58 cc.water	683	129	-	9.2
16.11.45	2160	269	120 g.bran 340 g.cab. 13 g.hay 90 cc.water	639	121	-	8.8
17.11.45	2190	258	145 g.bran 150 g.cab. 12 g.hay 200 cc.water	593	117	-	10.1
18.11.45	2200	264	140 g.bran 275 g.cab. 14 g.hay 209 cc.water	664	129	-	10.7
19.11.45	2200	219	130 g.bran 190 g.cab. 12 g.hay 200 cc.water	572	111	-	11.1

Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
9.11.45	17	15	13	-	-	-
10.11.45	27	24	19	-	-	-
11.11.45	27	24	19	-	-	-
12.11.45	18	17	15	-	-	-
13.11.45	23	21	20	-	-	-
14.11.45	26	24	18	-	-	-
15.11.45	27	24	19	-	-	-
16.11.45	24	21	17	-	-	-
17.11.45	26	24	20	-	-	-
18.11.45	28	25	19	-	-	-
19.11.45	24	22	20	-	-	-

Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
20.11.45	2170	338	145 g.bran 250 g.cab. 15 g.hay 273 cc.water	667	129	-	10.7
21.11.45	2180	336	135 g.bran 280 g.cab. 13 g.hay 253 cc.water	647	124	-	10.5
22.11.45	2125	370	140 g.bran 260 g.cab. 14 g.hay 285 cc.water	654	127	-	10.7
23.11.45	2150	347	150 g.bran 250 g.cab. 14 g.hay 300 cc.water	680	132	-	10.7
24.11.45	2210	357	130 g.bran 390 g.cab. 13 g.hay 275 cc.water	703	132	-	10.5
25.11.45	2185	317	160 g.bran 275 g.cab. 14 g.hay 240 cc.water	727	141	-	10.7
26.11.45	2095(f)	220	110 g.bran 115 g.bab. 7 g.hay 171 cc.water	445	87	373(f)	10.7
27.11.45	2165	-	-	-	-	-	+
28.11.45	2190	-	-	-	-	-	+
29.11.45	2195	-	-	-	-	-	+
30.11.45	2180	-	-	-	-	-	+
1.12.45	2195	-	-	-	-	-	+
2.12.45	2170	-	-	-	-	-	+
3.12.45	2175	-	-	-	-	-	+
4.12.45	2190	-	-	-	-	-	+
5.12.45	2185	-	-	-	-	-	+
6.12.45	2165	-	-	-	-	-	+
7.12.45	2165	-	-	-	-	-	+

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Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
20.11.45	36	33	26	-	-	-
21.11.45	36	32	26	-	-	-
22.11.45	40	36	28	-	-	-
23.11.45	38	34	26	-	-	-
24.11.45	38	34	26	-	-	-
25.11.45	34	31	22	-	-	-
26.11.45	24	21	24	-	-	-
27.11.45	+	+	-	-	-	-
28.11.45	+	+	-	-	-	-
29.11.45	+	+	-	-	-	-
30.11.45	+	+	-	-	-	-
1.12.45	+	+	-	-	-	-
2.12.45	+	+	-	-	-	-
3.12.45	+	+	-	-	-	-
4.12.45	+	+	-	-	-	-
5.12.45	+	+	-	-	-	-
6.12.45	+	+	-	-	-	-
7.12.45	+	+	-	-	-	-

186.
Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
8.12.45	2170	-	-	-	-	-	+
9.12.45	2165	-	-	-	-	-	+
10.12.45	2200	-	-	-	-	-	+
11.12.45	2215	-	-	-	-	-	+
12.12.45	2185	-	-	-	-	-	+
13.12.45	2180	-	-	-	-	-	+
14.12.45	2185	-	-	-	-	-	+
15.12.45	2160	-	-	-	-	-	+
16.12.45	2195	-	-	-	-	-	+
17.12.45	2210	-	-	-	-	-	+
18.12.45	2240	162	105 g.bran 370 g.cab. 10 g.hay 150 cc.water	602	112	-	9.9
19.12.45	2210	218	130 g.bran 325 g.cab. 14 g.hay 135 cc.water	665	127	-	9.2
20.12.45	2160	266	125 g.bran 355 g.cab. 14 g.hay 156 cc.water	668	127	-	9.7
21.12.45	2160	242	130 g.bran 310 g.cab. 14 g.hay 256 cc.water	655	125	-	10.5
22.12.45	2165	192	135 g.bran 235 g.cab. 14 g.hay 149 cc.water	622	121	-	10.7
23.12.45	2180	270	130 g.bran 380 g.cab. 15 g.hay 140 cc.water	703	132	-	9.5
24.12.45	2205	307	155 g.bran 290 g.cab. 14 g.hay 224 cc.water	722	139	-	9.2

187.
Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
8.12.45	+	+	-	-	-	-
9.12.45	+	+	-	-	-	-
10.12.45	+	+	-	-	-	-
11.12.45	+	+	-	-	-	-
12.12.45	+	+	-	-	-	-
13.12.45	+	+	-	-	-	-
14 .12.45	+	+	-	-	-	-
15.12.45	+	+	-	-	-	-
16.12.45	+	+	-	-	-	-
17.12.45	+	+	-	-	-	-
18.12.45	16	14	13	-	-	-
19.12.45	20	18	14	-	-	-
20.12.45	26	24	19	-	-	-
21.12.45	25	23	18	-	-	-
22.1.2.45	20	18	15	-	-	-
23.12.45	26	23	17	-	-	-
24.12.45	29	26	19	-	-	-

Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
25.12.45	2175	323	145 g.bran 300 g.cab. 14 g.hay 259 cc.water	696	134	-	8.8
26.12.45	2175	309	135 g.bran. 440 g.cab. 14 g.hay 130 cc.water	754	141	-	9.4
27.12.45	2165	386	155 g.bran 395 g.cab. 15 g.hay 233 cc.water	792	150	-	9.7
28.12.45	2140	388	145 g.bran 375 g.cab. 14 g.hay 298 cc.water	744	142	-	8.4
29.12.45	2120(f)	-	-	-	-	405(f)	+
30.12.45	2160	-	-	-	-	-	+
31.12.45	2175	-	-	-	-	-	+
1.1.46	2195	-	-	-	-	-	+
2.1.46	2180	-	-	-	-	-	+
3.1.46	2190	-	-	-	-	-	+
4.1.46	2170	-	-	-	-	-	+
5.1.46	2155	-	-	-	-	-	+
6.1.46	2130	-	-	-	-	-	+
7.1.46	2155	-	-	-	-	-	+
8.1.46	2150	-	-	-	-	-	+
9.1.46	2160	-	-	-	-	-	+
10.1.46	2175	-	-	-	-	-	+
11.1.46	2185	-	-	-	-	-	+
12.1.46	2200	-	-	-	-	-	+
13.1.46	2165	-	-	-	-	-	+
14.1.46	2145(f)	-	-	-	-	336(f)	+

189.
Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
25.12.45	28	25	19	-	-	-
26.12.45	29	26	18	-	-	-
27.12.45	38	34	23	-	-	-
28.12.45	33	30	21	-	-	-
29.12.45	+	+	-	-	-	-
30.12.45	+	+	-	-	-	-
31.12.45	+	+	-	-	-	-
1.1.46	+	+	-	-	-	-
2.1.46	+	+	-	-	-	-
3.1.46	+	+	-	-	-	-
4.1.46	+	+	-	-	-	-
5.1.46	+	+	-	-	-	-
6.1.46	+	+	-	-	-	-
7.1.46	+	+	-	-	-	-
8.1.46	+	+	-	-	-	-
9.1.46	+	+	-	-	-	-
10.1.46	+	+	-	-	-	-
11.1.46	+	+	-	-	-	-
12.1.46	+	+	-	-	-	-
13.1.46	+	+	-	-	-	-
14.1.46	+	+	-	-	-	-

Rabbit37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
15.1.46	2205	266	115 g.bran 315 g.cab. 11 g.hay 146 cc.water	601	114	-	11.4
16.1.46	2265	378	120 g.bran 490 g.cab. 10 g.hay 216 cc.water	726	134	-	9.9
17.1.46	2250	397	135 g.bran 460 g.cab. 10 g.hay 249 cc.water	753	140	-	8.5
18.1.46	2215	363	125 g.bran 405 g.cab. 12 g.hay 259 cc.water	693	130	-	8.3
19.1.46	2240	396	125 g.bran 405 g.cab. 7 g.hay 165 cc.water	677	126	-	7.3
20.1.46	2195	397	125 g.bran 430 g.cab. 8 g.hay 207 cc.water	696	129	-	8.0
21.1.46	2230	298	130 g.bran 465 g.cab. 11 g.hay 121 cc.water	745	138	-	9.5
22.1.46	2235	310	110 g.bran 425 g.cab. 13 g.hay 87 cc.water	662	123	-	8.7
23.1.46	2275	291	135 g.bran 425 g.cab. 10 g.hay 184 cc.water	731	137	-	8.5
24.1.46	2265	289	110 g.bran 400 g.cab. 5 g.hay 153 cc.water	620	114	-	8.3
25.1.46	2185	-	-	-	-	-	+
26.1.46	2200	-	-	-	-	-	+
27.1.46	2200	-	-	-	-	-	+

191.
Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
15.1.46	31	28	25	-	-	-
16.1.46	38	34	25	-	-	-
17.1.46	34	31	22	-	-	-
18.1.46	30	27	22	-	-	-
19.1.46	30	26	21	-	-	-
20.1.46	32	29	22	-	-	-
21.1.46	29	26	19	-	-	-
22.1.46	27	24	20	-	-	-
23.1.46	25	22	16	-	-	-
24.1.46	24	22	19	-	-	-
25.1.46	+	+	-	-	-	-
26.1.46	+	+	-	-	-	-
27.1.46	+	+	-	-	-	-

Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
28.1.46	2225	-	-	-	-	-	+
29.1.46	2230	-	-	-	-	-	+
30.1.46	2240	-	-	-	-	-	+
31.1.46	2205	-	-	-	-	-	+
1.2.46	2170	-	-	-	-	-	+
2.2.46	2200	-	-	-	-	-	+
3.2.46	2200	-	-	-	-	-	+
4.2.46	2170	-	-	-	-	-	+
5.2.46	2220	-	-	-	-	-	+
6.2.46	2170	-	-	-	-	-	+
7.2.46	2175	-	-	-	-	-	+
8.2.46	2165	-	-	-	-	-	+
9.2.46	2180	-	-	-	-	-	+
10.2.46	2185	-	-	-	-	-	+
11.2.46	2195	-	-	-	-	-	+
12.2.46	2180	-	-	-	-	-	+
13.2.46	2175	-	-	-	-	-	+
14.2.46	2185	-	-	-	-	-	+
15.2.46	2195	-	-	-	-	-	+
16 .2.46	2155	-	-	-	-	-	+
17.2.46	2190	-	-	-	-	-	+
18.2.46	2190	-	-	-	-	-	+
19.2.46	2165	-	-	-	-	-	+
20.2.46	2170	-	-	-	-	-	+
21.2.46	2195	-	-	-	-	-	+
22.2.46	2150	-	-	-	-	-	+
23.2.46	2210	-	-	-	-	-	+
24.2.46	2185	-	-	-	-	-	+

Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
28.1.46	+	+	-	-	-	-
29.1.46	+	+	-	-	-	-
30.1.46	+	+	-	-	-	-
31.1.46	+	+	-	-	-	-
1.2.46	+	+	-	-	-	-
2.2.46	+	+	-	-	-	-
3.2.46	+	+	-	-	-	-
4.2.46	+	+	-	-	-	-
5.2.46	+	+	-	-	-	-
6.2.46	+	+	-	-	-	-
7.2.46	+	+	-	-	-	-
8.2.46	+	+	-	-	-	-
9.2.46	+	+	-	-	-	-
10.2.46	+	+	-	-	-	-
11.2.46	+	+	-	-	-	-
12.2.46	+	+	-	-	-	-
13.2.46	+	+	-	-	-	-
14.2.46	+	+	-	-	-	-
15.2.46	+	+	-	-	-	-
16.2.46	+	+	-	-	-	-
17.2.46	+	+	-	-	-	-
18.2.46	+	+	-	-	-	-
19.2.46	+	+	-	-	-	-
20.2.46	+	+	-	-	-	-
21.2.46	+	+	-	-	-	-
22.2.46	+	+	-	-	-	-
23.2.46	+	+	-	-	-	-
24.2.46	+	+	-	-	-	-

Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
25.2.46	2165	-	-	-	-	-	+
26.2.46	2225	-	-	-	-	-	+
27.2.46	2215	-	-	-	-	-	+
28.2.46	2190	-	-	-	-	-	+
1.3.46	2190	-	-	-	-	-	+
2.3.46	2185	-	-	-	-	-	+
3.3.46	2215	-	-	-	-	-	+
4.3.46	2175	-	-	-	-	-	+
5.3.46	2185	-	-	-	-	-	+
6.3.46	2210	-	-	-	-	-	+
7.3.46	2225	-	-	-	-	-	+
8.3.46	2170(f)	-	-	-	-	418(f)	+
9.3.46	2250	206	115 g.bran 360 g.cab. 14 g.hay 228 cc.water	639	121	-	7.7
10.3.46	2305	265	115 g.bran 420 g.cab. 13 g.hay 258 cc.water	674	126	-	9.5
11.3.46	2245	281	115 g.bran 395 g.cab. 14 g.hay 203 cc.water	662	125	-	9.2
12.3.46	2250	412	95 g.bran 425 g.cab. 12 g.hay 260 cc.water	612	113	-	8.0
13.3.46	2250	430	115 g.bran 460 g.cab. 13 g.hay 299 cc.water	699	130	-	7.7
14.3.46	2225	366	115 g.bran 385 g.cab. 11 g.hay 169 cc.water	645	121	-	7.7
15.3.46	2260	344	90 g.bran 435 g.cab. 11 g.hay 258 cc.water	598	110	-	7.8

Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
25.2.46	+	+	-	-	-	-
26.2.46	+	+	-	-	-	-
27.2.46	+	+	-	-	-	-
28.2.46	+	+	-	-	-	-
29.2.46	+	+	-	-	-	-
1.3.46	+	+	-	-	-	-
2.3.46	+	+	-	-	-	-
3.3.46	+	+	-	-	-	-
4.3.46	+	+	-	-	-	-
5.3.46	+	+	-	-	-	-
6.3.46	+	+	-	-	-	-
7.3.46	+	+	-	-	-	-
8.3.46	+	+	-	-	-	-
9.3.46	16	15	12	-	-	-
10.3.46	26	23	18	-	-	-
11.3.46	26	23	18	-	-	-
12.3.46	33	30	27	-	-	-
13.3.46	33	30	23	-	-	-
14.3.46	29	26	21	-	-	-
15.3.46	27	24	22	-	-	-

Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
16.3.46	2220	405	115 g.bran 445 g.cab. 8 g.hay 268 cc.water	674	125	-	8.5
17.3.46	2195	332	72 g.bran 410 g.cab. 7 g.hay 243 cc.water	506	91	-	7.7
18.3.46	2245	380	80 g.bran 475 g.cab. 13 g.hay 292 cc.water	599	109	-	7.2
19.3.46	2210	349	100 g.bran 405 g.cab. 13 g.hay 255 cc.water	617	115	-	7.2
20.3.46	2205	333	85 g.bran 475 g.cab. 14 g.hay 222 cc.water	619	113	-	7.2
21.3.46	2185	226	70 g.bran 440 g.cab. 14 g.hay 152 cc.water	549	100	-	7.7
22.3.46	2200	230	80 g.bran 390 g.cab. 14 g.hay 160 cc.water	549	101	-	6.7
23.3.46	2180	194	70 g.bran 440 g.cab. 12 g.hay 136 cc.water	542	98	-	6.1
24.3.46	2160	224	75 g.bran 460 g.cab. 15 g.hay 106 cc.water	580	105	-	7.1
25.3.46	2210	252	60 g.bran 545 g.cab. 13.g.hay 83 cc.water	581	103	-	7.1
26.3.46	2110(f)	177	55 g.bran 185 g.cab. 13 g.hay 119 cc.water	334	64	-	6.8

197.

Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
16.3.46	35	31	24	-	-	-
17.3.46	25	23	25	-	-	-
18.3.46	27	25	23	-	-	-
19.3.46	25	23	20	-	-	-
20.3.46	24	21	19	-	-	-
21.3.46	18	16	16	-	-	-
22.3.46	15	14	14	-	-	-
23.3.46	12	10	10	-	-	-
24.3.46	16	14	13	-	-	-
25.3.46	18	16	16	-	-	-
26.3.46	12	11	17	-	-	-

Rabbit 37.

Date.	Body Weight in g.	Urine Volume per 24 hr. in cc.	Diet per 24 hr.	Total Calories per 24 hr.	Total Dietary PolyCHO per 24 hr. in g.	Blood Sugar in mg.%	Urine Sugar in g.%
27.3.46	2180	186	75 g.bran 360 g.cab. 13 g.hay 186 cc.water	509	94	-	5.5
28.3.46	2140	310	115 g.bran 395 g.cab. 14 g.hay 195 cc.water	662	125	-	7.4
29.3.46	2165	351	125 g.bran 470 g.cab. 13 g.hay 242 cc.water	738	137	-	7.7
30.3.46	2145	389	125 g.bran 490 g.cab. 14 g.hay 174 cc.water	755	140	-	6.4
31.3.46	2115	405	115 g.bran 490 g.cab. 15 g.hay 197 cc.water	726	134	-	6.7
1.4.46	2150	349	140 g.bran 435 g.cab. 14 g.hay 252 cc.water	766	145	-	8.1
2.4.46	2100(f)	282	115 g.bran 345 g.cab. 14 g.hay 164 cc.water	630	120	385(f)	10.1
3.4.46	2140	303	120 g.bran 430 g.cab. 14 g.hay 119 cc.water	700	131	-	9.5

Rabbit 37.

Date.	Total Urinary Glucose per 24 hr. in g.	Total Urinary PolyCHO per 24 hr. in g.	%age Dietary PolyCHO excreted in urine per 24 hr.	Urine Ketones in mg.%	Total Urine Ketones per 24 hr. in mg.	A.P.E.
27.3.46	11	9	10	-	-	-
28.3.46	23	21	17	-	-	-
29.3.46	27	24	18	-	-	-
30.3.46	25	23	16	-	-	-
31.3.46	28	25	19	-	-	-
1.4.46	28	26	18	-	-	-
2.4.46	28	26	22	-	-	-
3.4.46	29	26	20	-	KILLED.	

200.

Rabbit 37.

NOTES.

1.6.45 After alloxan injections into left ear between 19th-23rd. May the ear became very inflamed and swollen as a result of damage to the vessels and tissues by the chemical and owing to secondary infection. Ear was bathed with hot water, treated with eusol and powder applied. The last few days have seen an improvement, but it is difficult to say yet how much of the ear is going to recover or be lost. Otherwise animal's condition is good and diabetes appears to be stabilised.

22.6.45 Bits of the ear have fallen off each side and top of ear now droops, but otherwise skin is in good condition and healing has effected a definite improvement.

15.7.45 Animal in good condition and well nourished and strong.

1.8.45 Animal moulting, but otherwise well.

14.9.45 Has now a complete new coat of fur and looks well.

15.11.45 Animal in good condition.

3.4.46 Animal has remained in very good condition since last record. Killed today by stunning and found on dissection to be rather poorly nourished, the subcutaneous and mesenteric depots containing little fat.