

Table showing the changes in the serum lipid fractions of the baboon following pancreatectomy and hypophysectomy and substitution therapy

Experiment No.	Number of baboons used	Operative procedure	Treatment	Total lipids mg%	Cholesterol mg%	Lipid phosphorus mg%	Total ketone bodies (in blood) mg%	Resting blood sugar* mg%
1	9	Controls (non-operated)	None	384-512	117-155	7.0-11.3	0.6-1.8	70-80
2	9	Pancreatectomy	insulin	285-458	94-156	5.6-9.6	0.8-3.2	102-588
3	9	Pancreatectomy	No insulin	1218-2184	218-780	12.3-34.6	13.2-113.2	363-588
4	3	Pancreatectomy	insulin + thyroxin	350-382	98-112	8.75-9.7	1.8-4.4	260-596
5	3	Pancreatectomy	No insulin + thyroxin	1927-2136	396-624	32.0-47.4	102-138	391-448
6	4	Pancreatectomy + hypophysectomy	insulin	384-455	141-186	9.5-12.5	0.02-3.0	170-588
7	4	Pancreatectomy + hypophysectomy	No insulin	423-567	185-251	10.5-15.3	2.0-5.4	519-666
8	2	Pancreatectomy + hypophysectomy	insulin + cortisone	406-448	178-189	8.1-12.1	2.0	519-627
9	1	Pancreatectomy + hypophysectomy	insulin + cortisone	1588	340	20.1	2.8	601
10	1	Pancreatectomy + hypophysectomy	insulin + thyroxin	435	100	6.05	1.0	197-324
11	1	Pancreatectomy + hypophysectomy	insulin + thyroxin	437	126	5.95	1.6	510
12	1	Pancreatectomy + hypophysectomy	insulin + cortisone + thyroxin	831	292	13.75	2.6	150-247
13	1	Pancreatectomy + hypophysectomy	No insulin + cortisone + thyroxin	2003	544	27.6	9.8	666

* Blood sample collected at 9 a.m. 16 h after the last meal and after the last injection of insulin.

Investigations to elucidate the factors responsible for the ketonaemia in diabetic baboons are still in progress.

Résumé

Après ablation de la glande pituitaire, le dérèglement du métabolisme des hydrates de carbone persiste, tandis que l'intense lipémie est abolie. L'administration de la cortisone aux babouins pancréas- et hypophysectomisés privés d'insuline, rétablit la lipémie mais non la cétonémie.

Le dérèglement du métabolisme des hydrates de carbone dans les babouins diabétiques peut être dissocié de celui des lipides par un traitement approprié des glandes endocrines.

La cétonémie des babouins pancréas- et hypophysectomisés, contrairement à la lipémie, n'est pas rétabli par l'administration de la cortisone, thyroxin ou par une combinaison de ces hormones.

CONGRESSUS

GREAT BRITAIN

VIIIth International Cancer Congress

London, July 6-12, 1958

The International Union against Cancer will shortly award a limited number of travel grants to facilitate young scientists to attend the 7th International Cancer Congress in London, July 6-12, 1958. Priority will be given to applicants under the age of 35, who do not yet hold senior appointments, but who have already made significant contributions to the cancer literature. The grants will cover part or all of the travel expenses from and to the country of residence, but will not include subsistence allowance. Application forms may be obtained from Dr. I. BERENBLUM (Chairman: Committee for Young Scientists, U.I.C.C.), The Weizmann Institute of Science, Rehovoth, Israel.

CONGRESSUS

CANADA

IXth International Botanical Congress

Montreal, August 19 to 29, 1959

The IXth International Botanical Congress will be held in Montreal, Canada, from August 19 to 29, 1959, at McGill University and the University of Montreal. The program will include papers and symposia related to all branches of pure and applied botany. A first circular giving information on program, accommodation, excursions, and other detail will be available early in 1958. This circular and subsequent circulars including application forms will be sent only to those who write to the Secretary-General asking to be placed on the Congress mailing list: Dr. C. FRANKTON, Secretary-General, IXth International Botanical Congress, Science Service Building, Ottawa, Ontario (Canada).