Erratum

Diabetologia, Volume 22, No. 2 (February)/1982
J. Pierluissi, R. Pierluissi, S. J. H. Ashcroft: Effects of Hypophysectomy and Growth Hormone on Cultured Islets of Langerhans of the Rat.
Table 1, p. 135 should read

Table 1. The effects of hypophysectomy of the donor rats and of addition of growth hormone to the culture medium on rat islets of Langerhans

Parameter	Normal rat islets		Hypophysectomised rat islets		Statistical significance *(p)*			
	A − GH	B + GH	C − GH	D + GH	B vs A	D vs C	C vs A	D vs B
Insulin release (μU/islet/h)	70 ± 5 (12)	151 ± 13 (12)	46 ± 3 (12)	74 ± 6 (12)	⩽0.001	⩽0.001	⩽0.001	⩽0.001
Insulin plus proinsulin biosynthesis (dpm/islet per 90 min)	3755 ± 153 (18)	4506 ± 63 (18)	1944 ± 47 (11)	2203 ± 67 (11)	⩽0.001	⩽0.001	⩽0.001	⩽0.001
Total protein biosynthesis (dpm/islet per 90 min)	19540 ± 186 (18)	22087 ± 378 (18)	16367 ± 494 (11)	18014 ± 488 (11)	⩽0.001	⩽0.05	⩽0.001	⩽0.001
Glucose oxidation (pmol/islet per h)	28.6 ± 3.7 (7)	49.5 ± 3.4 (5)	26.2 ± 2.2 (6)	36.2 ± 2.3 (6)	⩽0.001	⩽0.05	NS	⩽0.01
Cyclic AMP content (fmol/islet)	18.7 ± 1.3 (11)	22.6 ± 1.0 (11)	16.9 ± 2.9 (9)	13.8 ± 1.2 (10)	⩽0.05	NS	NS	⩽0.001
Calmodulin content (ng/islet)	1.6 ± 0.31 (9)	2.17 ± 0.47 (9)	0.54 ± 0.16 (11)	0.72 ± 0.16 (11)	NS	NS	⩽0.01	⩽0.05

Islets were prepared by collagenase digestion from normal or hypophysectomised rats and cultured for 4 days in RPMI 1640 [8] in the absence (− GH) or presence (+ GH) of rat growth hormone 1 μg/ml. After culture the indicated parameters were measured as described in the text. The rates of insulin release given are those determined when the medium contained glucose 20 mmol/l: the basal insulin release found with glucose 2 mmol/l was 12.7 ± 3.4 μU/islet per h ($n = 8$) for islets from normal rats cultured without growth hormone and was not significantly different from this value in the other three groups. Rates of incorporation of {^{3}H}-leucine into insulin plus proinsulin and total islet protein and of glucose oxidation are those found in the presence of glucose 20 mmol/l. The cyclic AMP content of similar islets incubated for 12.5 min at glucose 2 mmol/l was not significantly different for any of the groups from the values given here for islets incubated for 10 min at 2 mmol/l followed by 2.5 min at glucose 20 mmol/l. Results are expressed as mean ± SEM for the number of separate batches of islets given in parentheses. Significance of differences was assessed by the two-tailed Student's 't'test. NS = not significant.

Announcements

17th Annual Conference of the German Diabetes Association
20–22 May 1982, Berlin
The main themes of this conference will be:
I Hypoglycaemia as a clinical syndrome and a complication of antidiabetic therapy
II Vascular complications of insulin-dependent diabetes mellitus
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XIII Annual Meeting of the Diabetic Pregnancy Study Group of the EASD
28–31 August 1982, Villars, Switzerland
As the total number who can attend this meeting is limited by the constitution, only contributions of particular relevance to the topics selected for discussion may be included. Submissions for consideration for the programme should be sent by 20 June 1982 to: Dr. J. Baird, Western General Hospital, Department of Medicine, Crewe Road, Edinburgh EH4 2XU, UK.

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