

LONG-TERM FUNCTIONAL STATUS OF THE BETA CELL IN NON-INSULIN DEPENDENT DIABETES OF THE YOUNG (NIDDY)

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In 16 NIDDY subjects with age at onset \leq 20 years and mean duration of diabetes 11.7 ± 4.8 years, pancreatic beta cell function as assessed by serum C-peptide (CP) measurement. The values were compared with those in 16 classical NIDDM, matched for sex, duration of diabetes, BMI and plasma glucose (Table).

CP values indicated good preservation of beta cell function in NIDDY. The results indicated that the long term functional status of beta cells in NIDDY was similar to that in classical NIDDM, although they developed diabetes at a much younger age.

Group M : F	Age at diagnosis (Yrs)	Duration (Yrs)	Plasma Glucose (mg/dl)		C-Peptide (pmol/ml)	
			F	PP	F	PP
NIDDY 6:10	16 \pm 1.7	11.7 \pm 4.8	150 \pm 51	212 \pm 54	0.25 \pm 0.20	1.0 \pm 0.5
NIDDM 7:9	35 \pm 10	12.1 \pm 5.2	143 \pm 21	198 \pm 40	0.31 \pm 0.21	0.94 \pm 0.43