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Document Version

Peer reviewed version

Citation for published version (Harvard):

Ntali, G, Newey, PJ, Rogers, A, Talbot, D, Soonawalla, Z, Sadler, G, Karavitaki, N, Grossman, AB & Thakker, RV 2015, 'Systematic comparison of MEN-1 and sporadic pancreatic neuroendocrine tumours: The Oxford NET Centre experience', UKI NETS 13th National Conference, London, United Kingdom, 7/12/15 - 7/01/16.

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Systematic comparison of MEN-1 and sporadic Pancreatic Neuroendocrine Tumours: The Oxford NET Centre experience.

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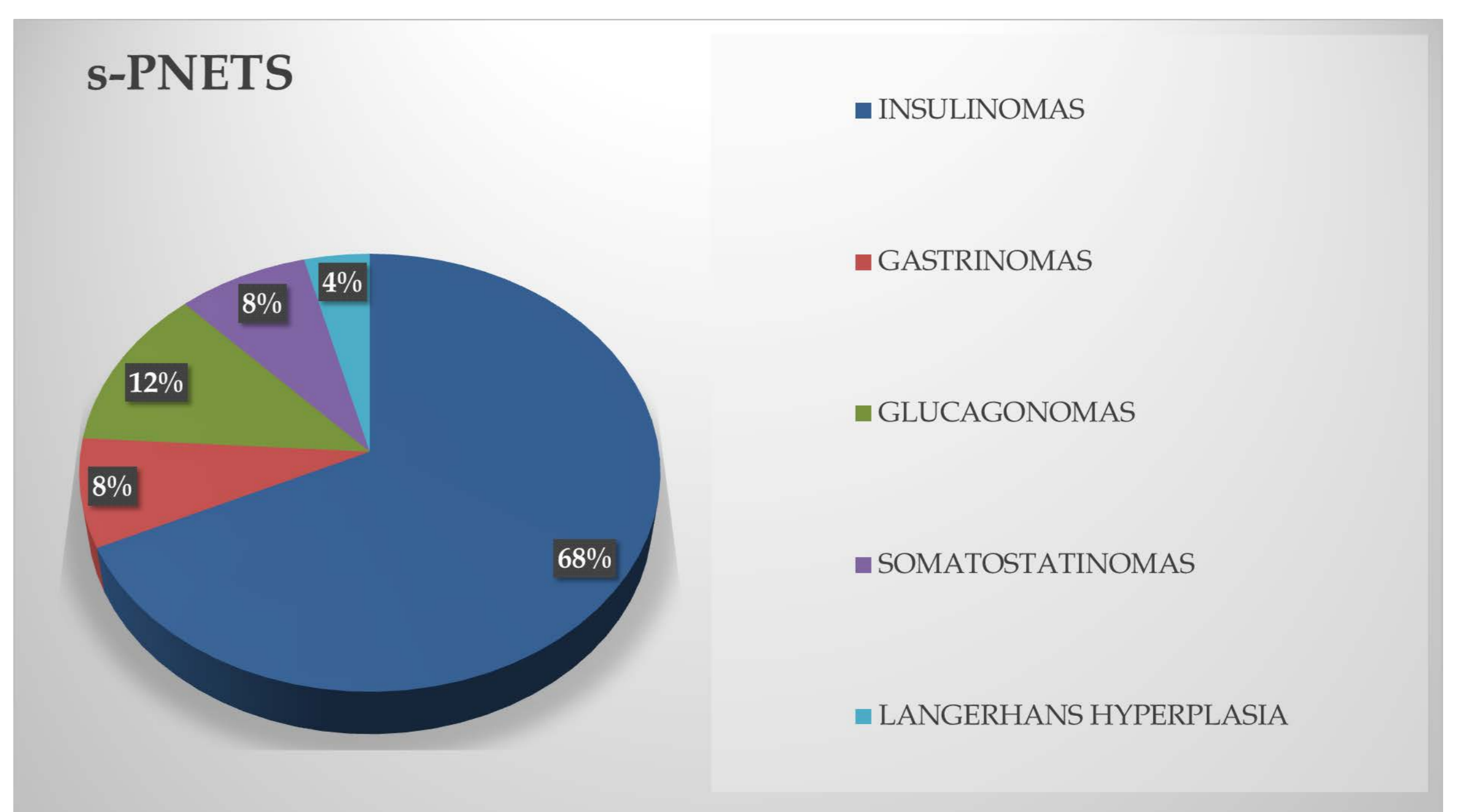
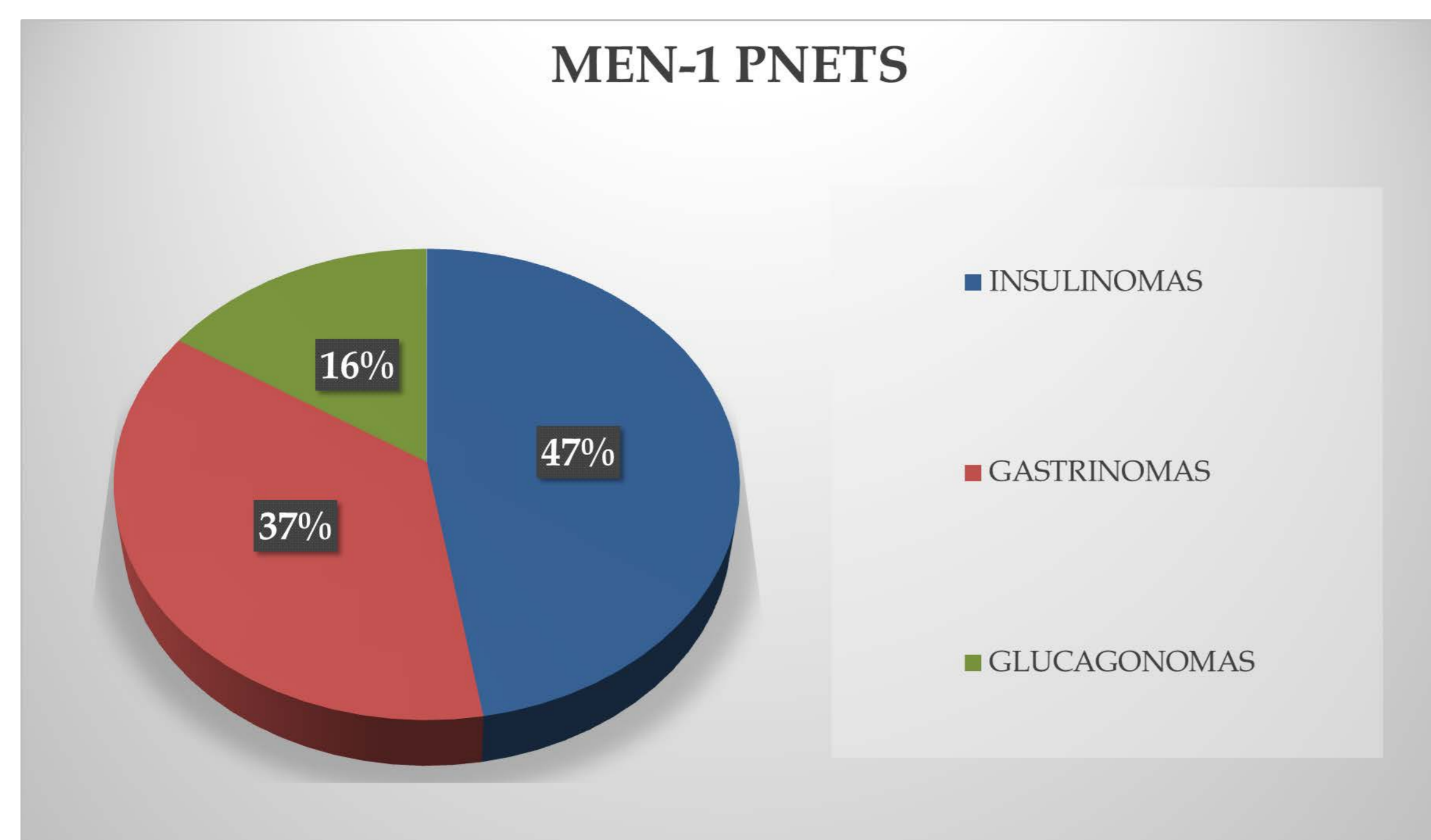
Introduction: Pancreatic neuroendocrine tumours (PNETs) occur as sporadic neoplasms or as a manifestation of multiple endocrine neoplasia type 1 (MEN-1) and other genetic syndromes. Systematic comparison of MEN 1-PNETs and sporadic PNETs may help to reveal new features.

Aim: Comparison of demographic, clinical and histological characteristics of MEN-1 and sporadic PNETs.

Patients and Methods: A total of 96 patients with PNETs were identified from the Oxford NET database.

Results

	N	Males (n)	Median age at diagnosis (years)	Presence of a functioning tumour (%)
Patients with MEN-1 PNETS	37	21	31.5 (9.7-70)	51 %
Patients with sporadic PNETS	59	34	57.6 (28-82.2)	42 %



Histological data

ENET grading	MEN-1 PNETS	Sporadic PNETS
G1 grade	96%	51%
G2 grade	4%	35%
G3 grade		12%
G2-G3 grade		2%

Conclusion: MEN-1 associated PNETs appear to present at an earlier age and are usually G1 grade, whilst sporadic PNETs present later and are commonly G1-G2 grade. This may be because of increased surveillance of patients with cancer predisposition syndromes.