

NET REGISTER

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GASTROINTESTINAL NEUROENDOCRINE TUMOURS: TUMOUR CHARACTERISTICS AND TREATMENT MODALITIES DETERMINE LONG-TERM CLINICAL OUTCOME

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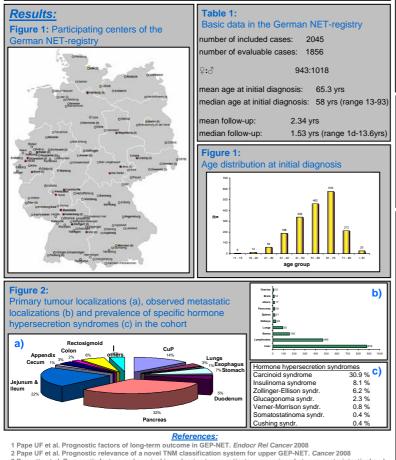
Background:

Prognosis of neuroendocrine tumours (NET) has been difficult to predict due to heterogenous tumour biology, various classification systems, and lack of reliable and recent data due to the rarity of these tumours. Some prognostic factors have been identified¹⁻³, however, either mostly single center-based surveys or focus on single subentities of these analyses limit the value of their results. On the other hand, population-based analyses⁴⁻⁶ are limited by the inclusion of cases with differently classified NET and a lack of NET-specific details.

In recent years NET-registries have been founded in several countries7,8 and here we report the results from the German NETregistry, which is associated withe the German Society for Endocrinology (DGE)9. In a nationwide survey including solely data from NET diagnosed since 1999 the German registry for gastrointestinal NET (G-NET-Reg) has strived to accumulate and analyze factors which influence prognosis in NET.

Aim of the study:

German NET-registry collected data from patients with The histologically proven NET from all over Germany. Epidemiological, histopathological and clinical data as well as information on overall and NET-specific outcome were obtained and analyzed.



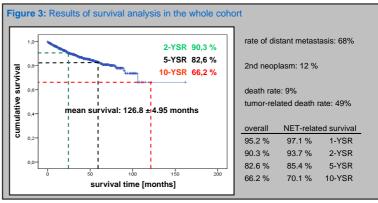
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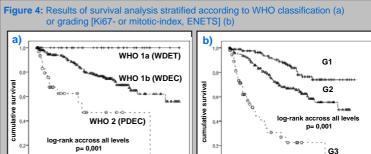
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survival time [months]

Table 2: Therapeutic modalities in the cohort (a) and succe

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a) Tx-mode	total	as 1st-line-Tx b	resection status	total	as 1st-line-Tx	
surgery	1836	1370	R0	504	438	
medical Tx	1155	320	R1	154	134	
radionuclide Tx	411	61	R2	67	54	
ablative Tx	185	15	RX	84	68	

Conclusions:

- The German NET-registry reports data from app. 2000 pts. with NET mostly of the GI-tract from 21 centers in Germany.
- A preference of metastatic as well as pancreatic and small bowel NET is reported.
- Carcinoid syndrome, hyperinsulinemic hypoglycemic neuroglycopenia (insulinoma syndrome) and Zollinger-Ellison syndrome are the most frequent functional syndromes.
- Survival rates in this cohort with initial diagnosis since 1999 are very good when compared to historical cohorts.
- Stratification according to WHO classification or to ENETS grading identify significant prognostic subgroups.
- Analysis of this large cohort reveals improved survival in NETpatients with modern management strategies.

Data from 2045 patients with NET were collected by specifically trained study nurses by structured extraction fromclinical source documents after infromed consent had been obtained and entered into a data base (Microsoft Access)^{9.} Data analysis was performed after structured data extraction and statistical assessment using SPSS Version 15.0.

Acknowledgem nts:

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