

Cover Page



Universiteit Leiden



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Title: Head and neck paragangliomas : genetics, heredity and clinical characteristics

Date: 2012-06-14

Head and Neck Paragangliomas

Genetics, Heredity and Clinical Characteristics

Erik Frans Hensen

Head and Neck Paragangliomas

Genetics, Heredity and Clinical Characteristics

Proefschrift

ter verkrijging van

de graad van Doctor aan de Universiteit Leiden,

op gezag van Rector Magnificus prof.mr. P.F. van der Heijden,

volgens besluit van het College voor Promoties

te verdedigen op donderdag 14 juni 2012

klokke 15.00 uur

door

Erik Frans Hensen

geboren te Arnhem

in 1974

Promotiecommissie:

Promotores: Prof. Dr. P. Devilee
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The publication of this thesis was financially supported by:

Olympus Nederland BV, Carl Zeiss BV, MED-EL, Atos Medical BV, Cochlear Benelux,
Advanced Bionics, EmiD audiologische apparatuur, GlaxoSmithKline BV

Im Geister-Labyrinth, in scheinbaren Begriffen
Kann auch der Klügste sich in fremde Bahn vertiefen;
Und wann sein sichrer Schritt sich nie vom Pfad vergisst,
Am Ende sieht er doch, daß er im Anfang ist.

*From: Gedanken über Vernunft, Aberglauben und Unglauben,
Albrecht von Haller, 1729.*

voor Henk
en Tineke
dankzij Iris
en Koen

Cover photograph: fluorescent in situ hybridisation image of the nucleus of a paraganglioma chief cell of a SDHD-linked patient. The red fluorescent label is hybridized to the centromere of chromosome 1, the green label is hybridised to the centromere of chromosome 11. In this nucleus, only one chromosome 11 centromere can be identified as opposed to two centromeres of chromosome 1, indicating the loss of an entire copy of chromosome 11.

Head and Neck Paragangliomas. Genetics, Heredity and Clinical Characteristics.
Thesis, University of Leiden, The Netherlands.

Layout by Legatron Electronic Publishing, Rotterdam, The Netherlands
Print by Ipskamp Drukkers, Enschede, The Netherlands.

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ISBN: 978-94-6191-252-7



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