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**Author:** Willemse, Peter-Paul M.  
**Title:** Skeletal and metabolic complications of testicular germ cell tumours  
**Issue Date:** 2014-03-06
Appendices

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# Abbreviations

<table>
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<tr>
<th>Abbreviation</th>
<th>Full Form</th>
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<tbody>
<tr>
<td>α-FP</td>
<td>alpha-fetoprotein</td>
</tr>
<tr>
<td>ALAT</td>
<td>alanine aminotransferase</td>
</tr>
<tr>
<td>AP</td>
<td>alkaline phosphatase</td>
</tr>
<tr>
<td>ASAT</td>
<td>aspartate aminotransferase</td>
</tr>
<tr>
<td>AUC7</td>
<td>seven times the area under the curve (carboplatin dose)</td>
</tr>
<tr>
<td>β-CTX</td>
<td>beta-carboxyl-terminal cross-linking telopeptide of type I collagen</td>
</tr>
<tr>
<td>β-HCG</td>
<td>beta unit of human chorionic gonadotrophin</td>
</tr>
<tr>
<td>BEP</td>
<td>bleomycin, etoposide and cisplatin combination chemotherapy</td>
</tr>
<tr>
<td>BMD</td>
<td>bone mineral density</td>
</tr>
<tr>
<td>BMI</td>
<td>body mass index</td>
</tr>
<tr>
<td>CIS</td>
<td>carcinoma in situ</td>
</tr>
<tr>
<td>CRP</td>
<td>C-reactive protein</td>
</tr>
<tr>
<td>CT</td>
<td>chemotherapy</td>
</tr>
<tr>
<td>CTGCT</td>
<td>contralateral (metachronous) testicular germ cell tumour</td>
</tr>
<tr>
<td>CVA</td>
<td>cerebrovascular accident</td>
</tr>
<tr>
<td>CVD</td>
<td>cardiovascular disease</td>
</tr>
<tr>
<td>DXA</td>
<td>dual-energy X-ray absorptiometry</td>
</tr>
<tr>
<td>E₂</td>
<td>estradiol</td>
</tr>
<tr>
<td>EDV</td>
<td>end-diastolic volume</td>
</tr>
<tr>
<td>EF</td>
<td>ejection fraction</td>
</tr>
<tr>
<td>EP</td>
<td>etoposide and cisplatin combination chemotherapy</td>
</tr>
<tr>
<td>E/A ratio</td>
<td>early and atrial filling velocities across the mitral valve</td>
</tr>
<tr>
<td>FRS</td>
<td>Framingham Risk Score</td>
</tr>
<tr>
<td>FSH</td>
<td>follicle-stimulating hormone</td>
</tr>
<tr>
<td>FT</td>
<td>free testosterone</td>
</tr>
<tr>
<td>GCT</td>
<td>germ cell tumour</td>
</tr>
<tr>
<td>HDL</td>
<td>high-density lipoprotein</td>
</tr>
<tr>
<td>¹H-MRS</td>
<td>proton magnetic resonance spectroscopy</td>
</tr>
<tr>
<td>HOMA</td>
<td>homeostatic model assessment</td>
</tr>
<tr>
<td>HTC</td>
<td>hepatic triglyceride content</td>
</tr>
<tr>
<td>Abbreviation</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
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</tr>
<tr>
<td>IDF</td>
<td>International Diabetes Federation</td>
</tr>
<tr>
<td>IGCCCG</td>
<td>International Germ Cell Cancer Collaborative Group</td>
</tr>
<tr>
<td>IQR</td>
<td>interquartile range</td>
</tr>
<tr>
<td>LDH</td>
<td>lactate dehydrogenase</td>
</tr>
<tr>
<td>LDL</td>
<td>low-density lipoprotein</td>
</tr>
<tr>
<td>LH</td>
<td>luteinizing hormone</td>
</tr>
<tr>
<td>LIBC</td>
<td>latent iron-binding capacity</td>
</tr>
<tr>
<td>LSMs</td>
<td>least square means</td>
</tr>
<tr>
<td>LUMC</td>
<td>Leiden University Medical Center</td>
</tr>
<tr>
<td>LV</td>
<td>left ventricular</td>
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<tr>
<td>LVED</td>
<td>left ventricular end-diastolic mass</td>
</tr>
<tr>
<td>MetS</td>
<td>metabolic syndrome</td>
</tr>
<tr>
<td>MRI</td>
<td>magnetic resonance imaging</td>
</tr>
<tr>
<td>MR-PWV</td>
<td>magnetic resonance measured pulse wave velocity</td>
</tr>
<tr>
<td>NASH</td>
<td>non-alcoholic steatohepatitis</td>
</tr>
<tr>
<td>NCEP-ATPIII</td>
<td>Adult Treatment Panel of the National Cholesterol Education Program</td>
</tr>
<tr>
<td>NHANES</td>
<td>National Health and Nutrition Examination Surveys</td>
</tr>
<tr>
<td>NPBI</td>
<td>non-protein bound iron</td>
</tr>
<tr>
<td>NSGCT</td>
<td>non-seminoma germ cell tumour</td>
</tr>
<tr>
<td>NTA</td>
<td>nitrilotriacetate</td>
</tr>
<tr>
<td>NTBI</td>
<td>non-transferrin bound iron</td>
</tr>
<tr>
<td>PTH</td>
<td>parathyroid hormone</td>
</tr>
<tr>
<td>PVB</td>
<td>cisplatin, vinblastin and bleomycin combination chemotherapy</td>
</tr>
<tr>
<td>PWV</td>
<td>pulse wave velocity</td>
</tr>
<tr>
<td>P1NP</td>
<td>procollagen type 1 N-terminal propeptide</td>
</tr>
<tr>
<td>RR</td>
<td>blood pressure</td>
</tr>
<tr>
<td>RT</td>
<td>radiotherapy</td>
</tr>
<tr>
<td>RV</td>
<td>right ventricular</td>
</tr>
<tr>
<td>SCORE</td>
<td>Systemic Coronary Risk Evaluation</td>
</tr>
<tr>
<td>SGCT</td>
<td>seminoma germ cell tumour</td>
</tr>
<tr>
<td>SHBG</td>
<td>sex hormone binding globulin</td>
</tr>
</tbody>
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### Appendices

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Definition</th>
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<tbody>
<tr>
<td>TC</td>
<td>testicular cancer</td>
</tr>
<tr>
<td>TGC</td>
<td>triglyceride</td>
</tr>
<tr>
<td>TGCT</td>
<td>testicular germ cell tumour</td>
</tr>
<tr>
<td>TT</td>
<td>total testosterone</td>
</tr>
<tr>
<td>VF</td>
<td>vertebral fracture</td>
</tr>
<tr>
<td>WBC</td>
<td>white blood cell count</td>
</tr>
<tr>
<td>WHO</td>
<td>World Health Organization</td>
</tr>
<tr>
<td>γ-GT</td>
<td>gamma-glutamyl transferase</td>
</tr>
<tr>
<td>1,25(OH)$_2$D$_3$</td>
<td>1,25-dihydroxy vitamin-D3</td>
</tr>
<tr>
<td>25(OH)D$_3$</td>
<td>25-hydroxy vitamin-D3</td>
</tr>
</tbody>
</table>
Beste Susanne, ik wil jou enorm bedanken voor je begeleiding de afgelopen jaren. Ik kijk met veel plezier terug op onze samenwerking en alle overleg dat zelfs op de meest onmogelijke tijden kon plaats vinden.

Beste Koos, je inbreng zorgde altijd voor eenvoud en overzicht. Daarnaast was je kritische blik van buiten de kliniek voor mij een stimulans om de resultaten breder te interpreteren.

Dear Neveen, we could fill a library with all the corrigenda. I really appreciate that you taught me how to verbalize the scientific results. I do realise, however, that this is an understatement for the efforts you put in my thesis.

Bij het doen van onderzoek naast een full time baan is de hulp van een oncologie verpleegkundige onontbeerlijk. Jeanne, bedankt voor alle werk dat je mij uit handen hebt genomen.

Beste Rutger, Bas en Saskia: de MRI onderzoeken op de afdeling radiologie waren niet mogelijk geweest zonder jullie toegewijde hulp.

Ik wil alle patiënten hartelijk bedanken voor hun participatie in de studies beschreven in dit proefschrift.

Go en Lot, jullie hebben altijd vertrouwen gehad in mijn wetenschappelijke capaciteiten. Dubbel trapeze spinakerzeilen blijft een grote uitdaging!


Lieve Conny, jij hebt mij geleerd om nuchter tegen de zaken aan te kijken. Dit proefschrift is daar een voorbeeld van.

De bemanning van de Bornrif wens ik immer een behouden vaart.

Lieve Sanne, zonder jouw steun was dit nooit gelukt. De uren achter mijn computer hebben een zware belasting gelegd op de spaarzame vrije tijd samen, maar je hebt mij alle ruimte gegeven om dit “boekje” af te schrijven. Het wordt tijd om onze gezamenlijke energie in nieuwe doelen te steken.
Appendices
CURRICULUM VITAE

Peter-Paul Michiel Willemse (1978, Rotterdam) graduated in 1998 at the athenaeum of “Het Nassau College” in Assen. Subsequently he studied chemistry for one year and from 1999 onwards he studied medicine at Leiden University, The Netherlands. He qualified as MD from Leiden University in November 2006. During his studies he was treasurer of the board of the Leiden University Medical Students Congres and chairman of the Leiden Student Sailing Association of the student fraternity ‘Minerva’.

In 2007 he started collecting data for studies that led to a formal PhD project at the Department of Clinical Oncology of the Leiden University Medical Center under the supervision of Prof. Dr. S. Osanto. Between 2008 and 2010 he was employed as a physician at the department of surgery of the Leiden University Medical Center and at the Departments of urology of two large peripheral hospitals (HagaZiekenhuis and Medisch Centrum Haaglanden) in The Hague, The Netherlands.

He started his residency in urology in 2011, first at the Department of surgery of the Reinier de Graaf Hospital in Delft (supervision by Dr. M. van der Elst) and from 2013 onwards at the Erasmus Medical Center in Rotterdam under the supervision of Dr. P.C.M.S. Verhagen.

He lives with Sanne Kloosterman in Rotterdam.
LIST OF PUBLICATIONS


