Name and address of Centre
Andrology unit of the department of urology at Erasmus MC in Rotterdam, NL

Type of Centre
University
University Hospital X
Private Centre

Other (please specify)

1. Director Dr. Gert Dohle, MD, PhD

2. Director (if more Institutions in the Centre)

3. Present Staff (Senior Scientists)

   1) Name Dr. Willem Boellaard, MD
      Degree Staff member
      Speciality Andrologist EAA and sexologist
      Academician X Affiliated Member Clinical Andrologist X

   2) Name Dr. Marij Dinkelman-Smit, MD, PhD
      Degree Staff member
      Speciality Andrologist EAA
      Academician Affiliated Member Clinical Andrologist X

   3) Name
      Degree
      Speciality
      Academician Affiliated Member Clinical Andrologist

Insert any additional staff below (if required)

MD/Biologists/Chemists

Name Godfried van der Heijden

1) Degree Clinical embryologist
   Speciality Head of the andrology laboratorium
   Full time/part time Full time
   Academician Affiliated Member Clinical Andrologist

2) Name Hikke van Doornick
   Degree Head of the IVF-laboratory
   Speciality Clinical embryologist

1
<table>
<thead>
<tr>
<th>Full time/part time</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Academician</td>
<td>Affiliated Member</td>
</tr>
</tbody>
</table>

3) Name
Degree
Speciality
Full time/part time

<table>
<thead>
<tr>
<th>Academician</th>
<th>Affiliated Member</th>
<th>Clinical Andrologist</th>
</tr>
</thead>
</table>

4) Name
Degree
Speciality
Full time/part time

<table>
<thead>
<tr>
<th>Academician</th>
<th>Affiliated Member</th>
<th>Clinical Andrologist</th>
</tr>
</thead>
</table>

**Insert any additional staff below (if required)**

**PhD Students**
1) Name Dr. Jocelyn van Brakel, MD
2) Name Dr. Lisette Elsinga, MD
3) Name

**Nurses**
1) Name
2) Name
3) Name

**Laboratory Technicians**
1) Name Mrs. L. van Gastel
2) Name Ms. C. Heijmans
3) Name Ms. S. Waterval

**Administrative Personnel**
1) Name
2) Name
3) Name

**Insert any additional staff below (if required)**

**For each staff category please specify changes (increased or decreased since last EAA site visit)**

**Physicians**
- Unchanged
- Increased X
- Decreased

Please specify ____________
Please specify ____________

**Nurses**
- Unchanged X
- Increased
- Decreased

Please specify ____________
Please specify ____________
European Academy of Andrology – Centre Report | 2015

Laboratory Technicians
Unchanged [X]  Increased [ ]  Decreased [ ]
Please specify [________]  Please specify [________]

Administrative Personnel
Unchanged [X]  Increased [ ]  Decreased [ ]
Please specify [________]  Please specify [________]

Overall comment – is personnel staff enough for centres activities?
Yes [X]  No [ ]  Further comment [________]

4. Clinical Activity

A. Outpatients: Consultations per year in the last 3 years

<table>
<thead>
<tr>
<th></th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>New patients</td>
<td>921</td>
<td>889</td>
<td>962</td>
</tr>
<tr>
<td>Controls</td>
<td>1790</td>
<td>1659</td>
<td>1588</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of patients in the last years (%)</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infertility</td>
<td>70%</td>
<td>70%</td>
<td>70%</td>
</tr>
<tr>
<td>Erectile dysfunction</td>
<td>15%</td>
<td>15%</td>
<td>15%</td>
</tr>
<tr>
<td>Hypogonadotropic Hypogonadism</td>
<td>2%</td>
<td>1%</td>
<td>2%</td>
</tr>
<tr>
<td>Klinefelter</td>
<td>4%</td>
<td>7%</td>
<td>2%</td>
</tr>
<tr>
<td>Gynaecomastia</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>Varicocele</td>
<td>15%</td>
<td>12%</td>
<td>14%</td>
</tr>
<tr>
<td>Cryptorchidism</td>
<td>15%</td>
<td>15%</td>
<td>20%</td>
</tr>
<tr>
<td>Male sex accessory gland infections</td>
<td>2%</td>
<td>4%</td>
<td>3%</td>
</tr>
<tr>
<td>Testicular tumours</td>
<td>21%</td>
<td>24%</td>
<td>26%</td>
</tr>
<tr>
<td>Disorders of gender identity</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

B. Ultrasound (testis, penile, prostate)

<table>
<thead>
<tr>
<th></th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>total</td>
<td>644</td>
<td>629</td>
<td>673</td>
</tr>
<tr>
<td>Controls</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

C. Andrological surgery procedures

<table>
<thead>
<tr>
<th></th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Testicular biopsies/TESE</td>
<td>87</td>
<td>143</td>
<td>151</td>
</tr>
<tr>
<td>Varicocele ligation</td>
<td>52</td>
<td>26</td>
<td>32</td>
</tr>
<tr>
<td>Prostate biopsies (urology dept)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>BPH (urology dept)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Prostate cancer (urology dept)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Procedure</td>
<td>2012</td>
<td>2013</td>
<td>2014</td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>------</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>Vasectomy urol dept</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Vaso-vasostomy</td>
<td>30</td>
<td>32</td>
<td>40</td>
</tr>
<tr>
<td>Vaso-epididymostomy</td>
<td>7</td>
<td>13</td>
<td>24</td>
</tr>
<tr>
<td>Testicular tumours</td>
<td>62</td>
<td>58</td>
<td>52</td>
</tr>
<tr>
<td>Penile curvature correction</td>
<td>43</td>
<td>35</td>
<td>33</td>
</tr>
</tbody>
</table>

5. A. Andrology laboratory activity

<table>
<thead>
<tr>
<th>Activity</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semen analyses</td>
<td>1449</td>
<td>1439</td>
<td>1179</td>
</tr>
<tr>
<td>Sperm antibodies</td>
<td>15%</td>
<td>15%</td>
<td>15%</td>
</tr>
<tr>
<td>Seminal markers</td>
<td>261</td>
<td>230</td>
<td>198</td>
</tr>
</tbody>
</table>

5. B. Andrology laboratory activity

- Sperm banking donors: Yes [X] No [ ]
- Sperm banking cancer patients: Yes [X] No [ ]

If yes:

<table>
<thead>
<tr>
<th>Activity</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of samples</td>
<td>145</td>
<td>162</td>
<td>210</td>
</tr>
</tbody>
</table>

5. C. Hystopathological evaluation of biopsies

- Yes [X] No [ ]

5. D. Reproductive Hormones Assays

- Yes [X] No [ ]

If yes please specify type of assays and number of samples in the last year

All TESE procedures include histology and testing for Carcinoma in situ of the testis

All male infertility cases will have reproductive hormones determined

5. E. Y chromosome microdeletions according to EAA/EMQN guidelines

- Yes [X] No [ ]

If yes number of tests in the past year

<table>
<thead>
<tr>
<th>Activity</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>141</td>
<td></td>
</tr>
</tbody>
</table>

Participation to the EAA quality control scheme?

- Yes [X] No [ ]

If no, specify if available in another lab of the same hospital

Blood karyotyping

- Yes [X] No [ ]

If no, specify if available in another lab of the same hospital

Other genetic tests (please specify)

CFTR gen mutation screening in men with CBAVD

6. Collaborations with other Clinical Units of the University/Hospital

IVF Unit

- Yes [X] No [ ]
If yes please specify: Children, Endocrinology, IVF, Urology, Genetics, Pathology

We are part of a reproductive center within Erasmus MC

<table>
<thead>
<tr>
<th>Urology Clinic</th>
<th>Yes ☑ No □</th>
</tr>
</thead>
<tbody>
<tr>
<td>Endocrine Clinic</td>
<td>Yes ☑ No □</td>
</tr>
<tr>
<td>Genetics Lab/Unit</td>
<td>Yes ☑ No □</td>
</tr>
<tr>
<td>Paediatric Unit</td>
<td>Yes ☑ No □</td>
</tr>
<tr>
<td>Central Hospital Laboratory</td>
<td>Yes ☑ No □</td>
</tr>
<tr>
<td>Private Centres</td>
<td>Yes ☑ No ☑</td>
</tr>
</tbody>
</table>

If yes please specify:

7. Clinical teaching activity
Duration of training (years):

8. Formal Andrology teaching program
If yes: specify duration (years/months):

| A: Trainees in the last five years | 3 |
| B: Trainees who passed EAA-ESAU exam for Clinical Andrologist in the last 5yrs | 3 |
| C: Trainees working in the centre preparing to pass the EAA-ESAU examination | 0 |
| D: Ph D Students | 2 |
| E: Medical Students | 2 |
| F: Other students | 1 |

8. Formal Andrology teaching program
If yes: specify duration (years/months):

<table>
<thead>
<tr>
<th>Professional training (weeks/months)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours of formal teaching per year</td>
</tr>
<tr>
<td>Medical Students</td>
</tr>
<tr>
<td>Ph D Students</td>
</tr>
<tr>
<td>Post Graduate students</td>
</tr>
<tr>
<td>Trainees</td>
</tr>
<tr>
<td>Other degrees (please specify)</td>
</tr>
</tbody>
</table>

9. Research Activity
Please list the main papers in peer review journals in the last 3 years with I.F. in a separate file.

10. Research Funding
Please specify the amount of available funds in the last 3 years and their source
(Government, European Union, University, Local Government, Pharmaceutical Industries, Banks, Foundations....)

<table>
<thead>
<tr>
<th>Year</th>
<th>Total amount (€)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>20,000,-</td>
</tr>
</tbody>
</table>

Funding Source(s) Government
European Academy of Andrology – Centre Report 2015

<table>
<thead>
<tr>
<th>Year</th>
<th>Total amount (€)</th>
<th>Funding Source(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>35.000,-</td>
<td>Hospital funding</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>Total amount (€)</th>
<th>Funding Source(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>60.000,-</td>
<td>Pathology project</td>
</tr>
</tbody>
</table>

*Insert any additional funding below if required*

11. Please report the main improvements of the Centre following the (last) EAA site visit

**Clinical Activity**
Increase in: TESE procedures, testicular tumours, fertility preservation in cancer patients.
Fully integrated in the Reproductive center of Erasmus MC

**Laboratory Activity**
Development of screening tools for carcinoma in situ cells in semen.
Development of seminal predictive test/marker for the presence of germ cells in men with azoospermia

**Research Activity**
Testicular development disorders: genetic background of testicular development, cryptorchidism and fertility, genetic background of meiotic arrest

**Teaching**
Not changed in the last 5 years (medical students, PhD programs, Residents in training for urology and gynaecology, laboratory quality system, external visitors)

12. Overall considerations by the Centre Director

A. The centre is growing [X] Is stable   [ ] Has problems [ ]

If ‘has problems’, please specify

B. Other Comments by the Centre Director
Currently, there are no new funds for a PhD project.

13. Anticipated future changes in the Centre
Publications 2012-2014

2012

Publications:
International scientific(is)


Editorial:


2013

(Co)promotor(s): Bangma, Prof. Dr. C.H., Dohle, Dr. GR.
PhD thesis EUR (intern gepromoveerd, intern voorbereid); 11-01-2013
aantal bladz. 193

(International) scientific publications 2013


Editorial:

Book contribution

Guidelines;


2014
(International) scientific publications 2014


**Congress proceedings**


3. W. Boellaard, P. Soekhan, M. van Lingen, H. Stoop, A. Gilles, W. Oosterhuis, L. Looijenga. VASA MRNA detection in contrast to immunochemistry with a poly- and monoclonal antibody is specific for germ cells in the male urogenital tract. Andrology 2014;2:60

4. G. Dohle. Late consequences of childhood and adolescence cancer treatment. Andrology 2014;27

5. G. Dohle. Testosterone replacement therapy and prostate cancer: Larger studies needed to show whether testosterone therapy does not lead to a higher PCa risk. European Urology Today April 2014

**Editorial:**


**Dutch articles:**


**Book contribution**


**Guidelines**
