The Danish Trophoblast Database

Gestational Trophoblastic Diseases
Clinical guidelines for diagnosis, treatment, follow-up, and counselling

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Danish Guidelines 2009:

**Partial mole**

**Complete mole**

**Valid ploidy:** Chromosomes or flow cytometry on fresh tissue

**Triploid**

**Diploid**

**No ploidy**

**Surveillance:**

1 week after \( \text{hCG} = 0 \)

4-6 months after \( \text{hCG} = 0 \)
## Danish Gynecological Cancer Database (2005-)

<table>
<thead>
<tr>
<th>Clinical data</th>
<th>Surgical data</th>
<th>Pathology</th>
<th>Pre- and postoperative care</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gynecologic history</td>
<td>Spread, tumor size</td>
<td>Spread</td>
<td>Psychosocial status</td>
</tr>
<tr>
<td>Predispositions</td>
<td>Peritoneal carcinomatosis</td>
<td>Cytology</td>
<td>Nutritional status</td>
</tr>
<tr>
<td>Comorbidity</td>
<td>Metastases</td>
<td>Histologic type</td>
<td>Mobilization</td>
</tr>
<tr>
<td>Smoking and alcohol</td>
<td>Ascites</td>
<td>WHO grade</td>
<td>Vital functions</td>
</tr>
<tr>
<td>BMI</td>
<td>Extent of surgery</td>
<td>FIGO stage</td>
<td>Pain score</td>
</tr>
<tr>
<td>Risk of malignancy index</td>
<td>Resection of other organs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Preoperative findings</td>
<td>Operative time</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choice of treatment</td>
<td>Residual tumor size</td>
<td></td>
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<td>Residual carcinomatosis</td>
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<td>Incidental lesions to other organs</td>
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<td>Operative surgical stage</td>
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<td>Blood loss</td>
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## Danish Gynecological Cancer Database (DGCD) 2005-

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The Danish Gynecological Cancer Database (DGCD) 2013-
### The Danish Trophoblast Database (DTD)

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**DTD**
- HM
- Invasive mole
- Choriocarcinoma
- PSTT
- ETT
Registration in DTD:

• Pathologists
• Gynecologists
5.7 million Danes

Dept. of pathology
The pathologist:

General information:
Name
Danish unique person number
Department etc.

Macroscopi
Microscopy
Spread
The gynecologist:

- General information
- Demographic data
- Gynecologic history
- Family history with HM?
The gynecologist:
The gynecologist:

hCG follow-up

Outcome

GTN: Additional data
Danish Trophoblast Database

Quality assessment

Research
Danish Trophoblast Database

Quality assessment
• Frequency of HM patients followed to hCG=0 (goal: 90%)
• Frequency of HMs with genetics (ploidy) (goal: 75%)

Research
Danish Trophoblast Database

Quality assessment (2014-2016)

- Frequency of HM patients followed to hCG=0 (goal: 90%) ??
- Frequency of HMs with genetics (ploidy) (goal: 75%) 50%

Research
Danish Trophoblast Database

Advantages

• Danish unique person identifier
• Public health care service

• Online registration – cases created by pathologist and gynecologist

• Systematic histopathologic revision
  • All HMs registered by pathologists

• Follow-up after HM and GTN centralised
  • GTN registered by The Danish Trophoblast Center

• Lists of missing cases
Danish Trophoblast Database

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Planned improvements
• Centralising registration of gynecological data
• Retrieving data
Thanks to

Patients

Colleagues at

- Danish Gynecological Cancer Database
- Depts. of Pathology
- Depts. of Gynaecology
- Depts. of Oncology
- Depts. of Genetics
- Depts. of Imaging