

# International survey about the sentinel lymph node biopsy in cervical cancer

Survey within the GCIG

# Sentinel node biopsy (SLN)

- Cervical cancer < 2 cm
  - Sensitivity: 92A%,
  - NPV: 98.2% (**100% if bilateral**).
  - Bilateral detection: **could spare 75% of complete pelvic dissection** (IA1 L1-IIA)
  - Bilateral detection: **questionable need for parametrial resection** (IA2 – IB1)
  - Ultrastaging increases identification of nodal metastasis
  - Possible ↓ morbidity, including ↓ adhesions.
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- Lack of studies
  - Unclear strategy (one- vs two-stage approach)
  - High false negative rate (μ MTS)

# Questionnaire

- **Which department are you working in?**
- **What kind of hospital do you work in?**
- **How many patients with invasive cervical cancer (CC) have been treated in your hospital in the last 3 years?**
- **How many patients with CC have been treated in your hospital last year?**

# Questionnaire

- **Do you perform lymphadenectomy (LNE) in patients with CC?**
- **Do you perform systematic or sampling LNE in patients with CC?**
- **Do you perform sentinel lymph node (SLN) biopsy (SLNB) in patients with CC?**
- **If you perform LNE what do you do?**
- **If you do not perform SLNB in patients with CC can you please specify?**

# Questionnaire

- **If you perform SLNB in patients with cervical cancer, can you please specify: (multiple answer possible)**
- **If you perform SLNB in patients with CC when do you perform it? (multiple answer possible)**
- **Do you perform SLNB in case of previous?**
- **When you perform SLNB do you do frozen section (FS)?**

# Questionnaire

- Do you ever perform SLNB without FS and wait for final histology?
- Does your pathologist analyses SLNB with serial sectioning
- Does your pathologist analyses SLNB with immunohistochemistry (IHC)?
- Does the FS evaluates and diagnoses?
- What does positive SLNB (pN+) for you defines?
- If you perform FS what are the consequences for the treatment in case of pN+ in the SLNB?
- If you perform FS what are the consequences in case of pN0 of SLNB?

- In case of pN0 on FS of SLNB and presence of additional enlarged not sentinel lymph node, what do you do?

# Questionnaire

- **How do you perform your surgery?**
- **What do you use for SLNB?**
- **How do you perform the injection?**
- **Where do you inject?**
- **How many ml of blue dye do you use?**
- **How many Becquerel do you use?**
- **If you use radiotracer do you perform a scintigraphy?**

# Questionnaire

- **In case of blue dye how long is the usual interval between injection and lymph node removal:**
- **Do you know your detection rate?**
- **How is your detection rate calculated and how is it? (multiple answer possible)**
- **Do you have ongoing trials on SLNB in CC and / or other gynecological malignancy?**
- **Would you agree to a face retrieval about the therapeutic effect of SLNB in CC?**
- **Would you support international study concepts about the role of SLNB in the management of CC?**



# Results

- Start: October 2015
- Duration: 6 Month
- 45 replies (27th of October)
- Analysis at the next meeting in Chicago 2016