

**Stage IB1 (2-4 cm) Cervical cancer treated
with Neoadjuvant chemotherapy followed by
fertility Sparing Surgery (CoNteSSa)**

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**ANZ
GOG**



**AUSTRALIA NEW ZEALAND
GYNAECOLOGICAL ONCOLOGY GROUP**

GCIG Meeting Tokyo – November 2015

Specific Hypothesis

∞ Neoadjuvant chemotherapy (**NACT**) in **node-negative** women with stage IB1 (**2-4 cm**) cervical cancer will enable **fertility preservation surgery** without compromise in tumour control in good chemo-responders

Primary Objective

➤ To estimate the **rate of fertility preserving surgery** in women with **node negative**, stage IB1 cervical cancer measuring **2-4 cm** who receive neoadjuvant chemotherapy (NACT)

Secondary Objectives

- ✧ Chemotherapy response rate
- ✧ Chemotherapy related adverse events / safety
- ✧ Surgical complication rate
- ✧ Requirement for adjuvant radiation therapy (trimodality treatment)
- ✧ QOL
- ✧ Disease outcomes
- ✧ Ovarian function, rates of pregnancy and obstetrical outcomes

Inclusion criteria

- ✧ Invasive cervical cancer
 - adenocarcinoma, adenosquamous or squamous
- ✧ LVSI allowed
- ✧ Grade 1, 2 and 3
- ✧ Stage IB1 measuring 2-4 cm (clinical exam and MRI)
- ✧ Age < 40
- ✧ Premenopausal status defined by FSH, estradiol and anti mullerian hormone (AMH) levels
- ✧ Desire to preserve fertility potential
- ✧ PET CT as per standard of practice

Exclusion criteria

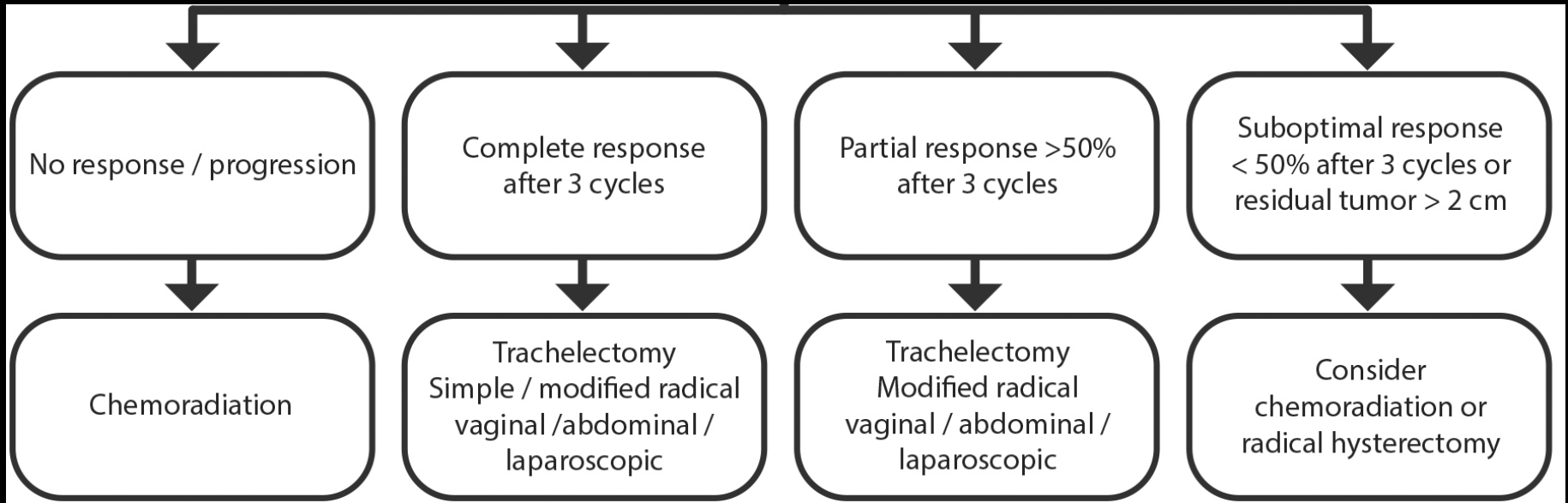
- ❧ Uterine corpus invasion or extracervical disease (based on MRI)
- ❧ Lymph node metastasis
 - Pre-study sentinel lymph node mapping / pelvic lymphadenectomy to exclude LN mets

Cervical cancer size 2-4 cm
MRI - corpus negative, node negative
Laparoscopy - pelvic lymph node dissection / **SLN mapping (optional)**, node negative
Pathology - squamous and adenocarcinoma
LVSI - negative or positive
Patient age \leq 40 years
Desirous of preserving fertility

Baseline AMH, FSH,
E2 levels (baseline and
6 / 12 months post Rx)

3 cycles of NACT
Carboplatin / Cisplatin +
Paclitaxel

After 3 cycles
Clinical assessment
and pelvic MRI



Adjuvant chemoradiation
(or radical hysterectomy)
Positive margins
Stromal involvement in outer 1 / 2
≥ 5 mm stromal invasion
< 10 mm margin

Primary endpoint

➤ **Rate of fertility sparing surgery (simple or radical trachelectomy) with an intact uterus and without the need for adjuvant radiation therapy**

Secondary endpoints

- ∞ **Response rate to NACT**
- ∞ **Adverse events (CTC AE V 4.0) and safety**
- ∞ **Surgical complication rate**
- ∞ **Rates of definitive hysterectomy**
- ∞ **Requirement for adjuvant radiation therapy (trimodality treatment)**
- ∞ **QOL: EORTC QLQ C30 and QLQ CX 24**
- ∞ **Disease Outcomes: DFS and OS**
- ∞ **Ovarian function (FSH, estradiol, AMH)**
- ∞ **Pregnancy rates and obstetrical outcomes**

Statistical analysis

↪ The treatment would be considered as

- **successful** if its **fertility preservation rate** is **50% or higher (H0)** and
- **not successful** if its fertility preservation rate is **35% or lower (H1)**

Statistical analysis

- ✧ Enrol **75 node-negative** patients and declare the treatment successful if **32** or more patients had their fertility preserved
- ✧ Alpha level (one-sided): **0.10**
- ✧ Power of the study: **0.91**
- ✧ Duration of the study: **4 years for accrual**

Statistical analysis

↪ Interim futility analysis

- When **40** patients have been treated
- The trial would be stopped if **13** patients or less have preserved fertility

Issues

☞ Chemotherapy regimen

- **Taxol 175mg/m² and Carbo AUC 6 q 3 weeks x 3**
- **Taxol 80mg/m² and Carbo AUC 2 weekly**
- **Taxol 80mg/m² weekly and Carbo AUC 6 q3 weeks x 3**
- **Issues about cisplatin ?**

Issues

∞ Types of fertility-preserving surgery

- **Simple trachelectomy/cone** in complete or optimal (< 3mm residual) chemo-responders
- **Modified radical trachelectomy** in sub-optimal chemo-responders (> 3mm residual)

Funding

∞ NCIC-ANZGOG : lead groups

- Study to be presented at the upcoming executive NCIC-CTG meeting in **November 2015**
- ANZGOG also looking for funding sources

Collaboration

➤ Survey seeking interest from GCIG cooperative groups and CCRN