

HYPOPHARYNGEAL RECONSTRUCTION WITH FREE ANTEROLATERAL THIGH FLAP --- *PARALLELOGRAM DESIGN*

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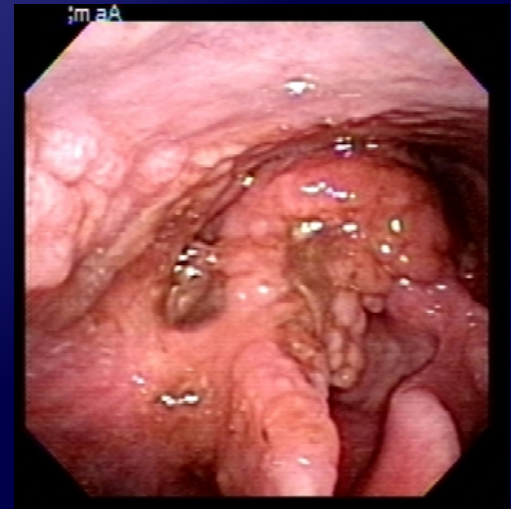
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Objective of the study

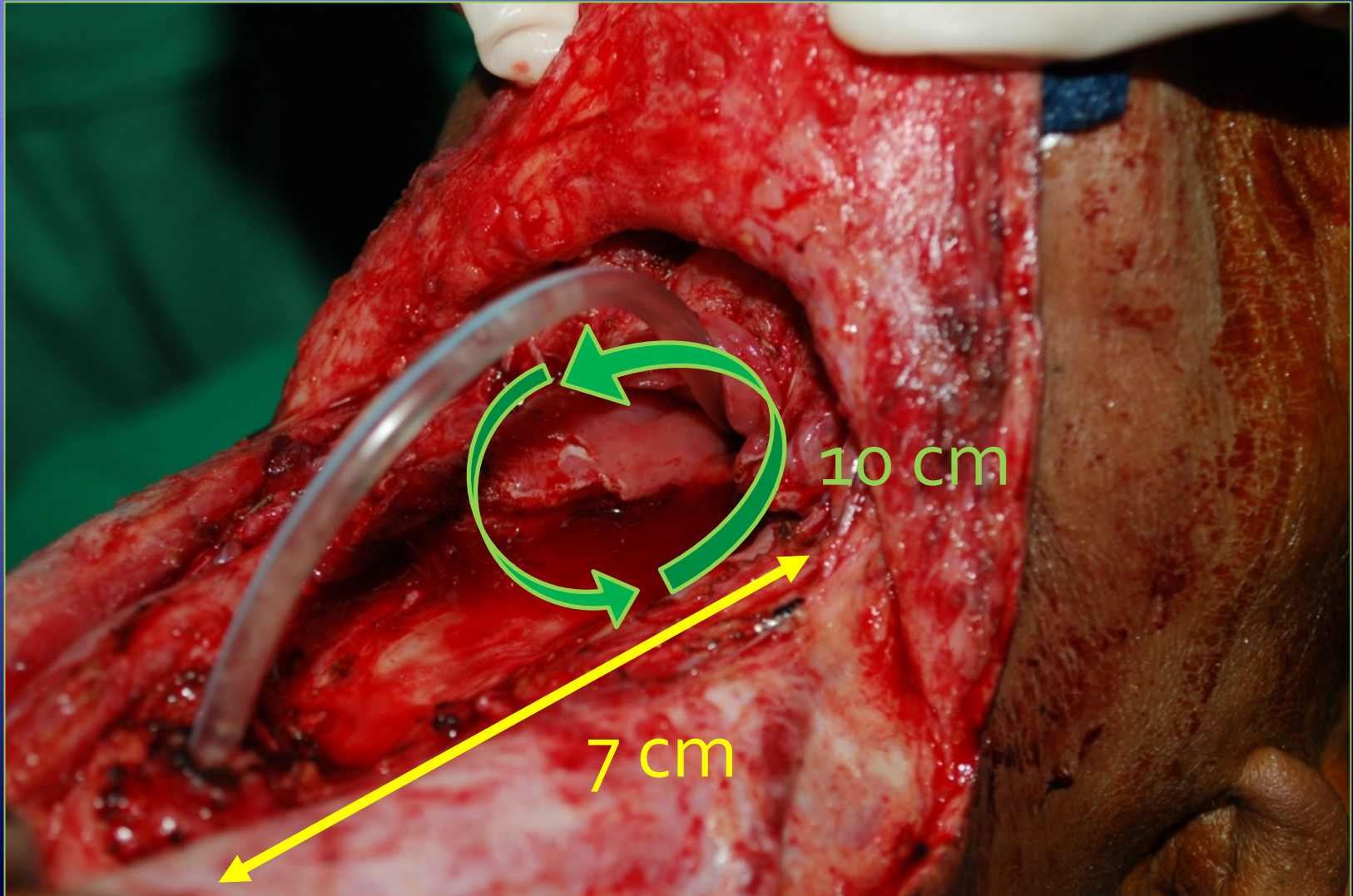
- 1. hypopharyngeal cancer was preferred to be performed surgical intervention
- 2. Our novel design of **tubed parallelogram free ALT flap**
- 3. Chimeric flap was designed for flap monitoring
- 4. results of our patients

Materials – Case

- 65 y/o male
 - dysphagia and easily choking
 - for about 1 month
- **Diagnosis:**
 - Hypopharyngeal cancer**
 - cT₄aN₁M₀, stage IVA**
 - SCC**



the defect after total pharyngectomy

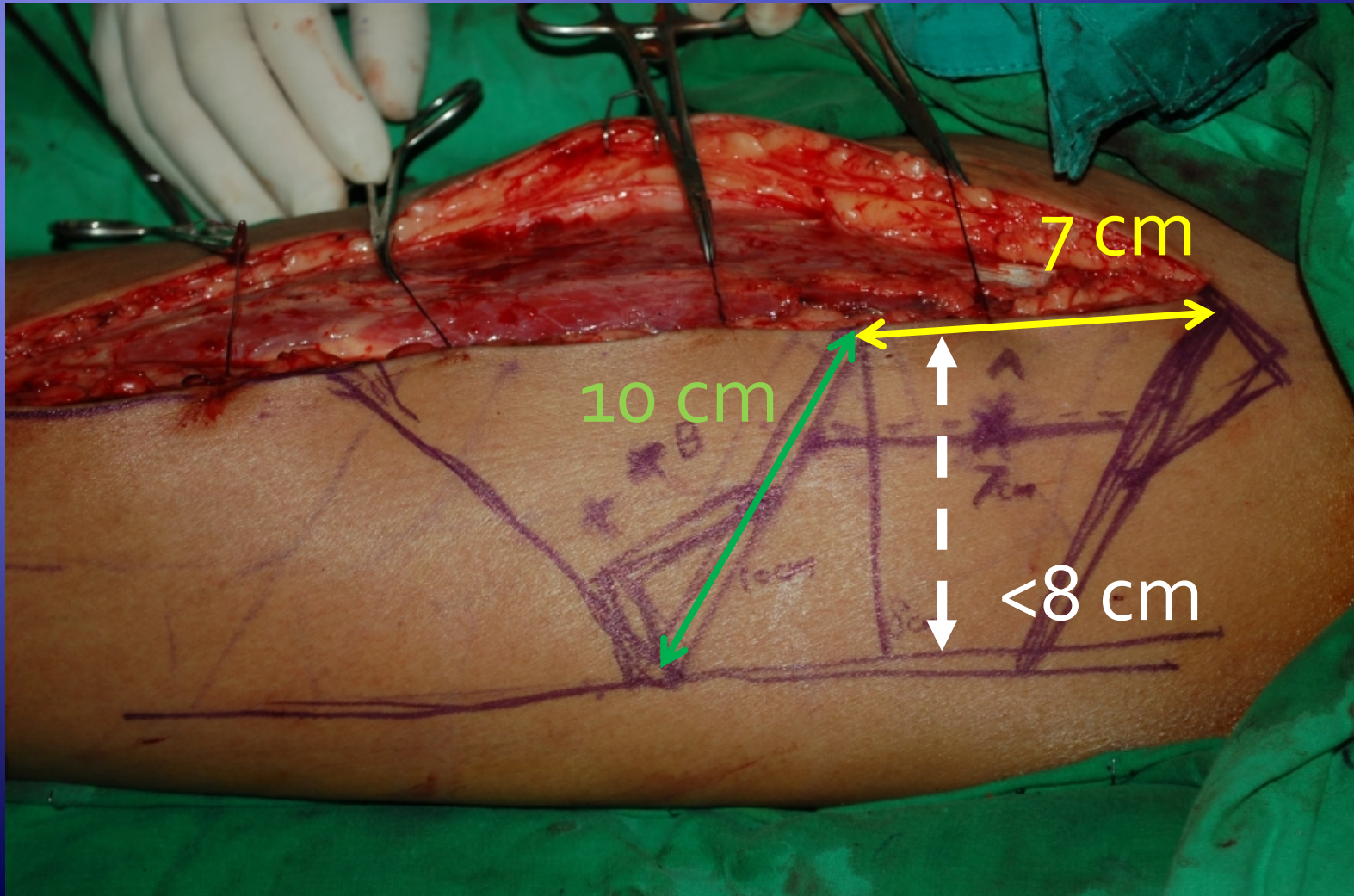


Methods

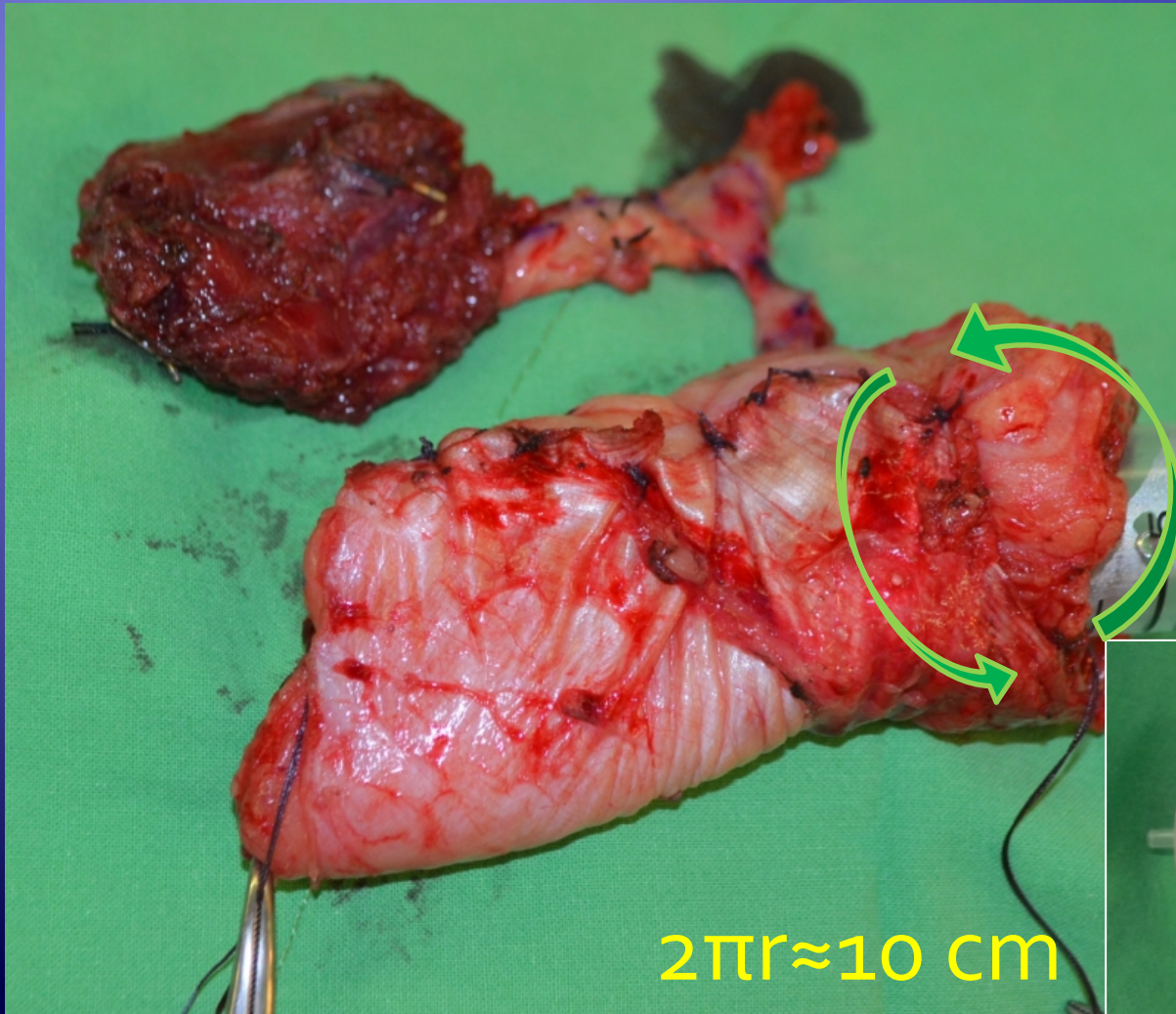
Reconstruction after pharyngectomy

- 1. our design:
 - parallelogram free ALT flap
- 2. tubing with using 50c.c. syringe
- 3. chimeric design:
 - muscle+ fasciocutaneous
 - fasciocutaneous+ fasciocutaneous

Our design: parallelogram free ALT flap



Tubing with using 50c.c. syringe



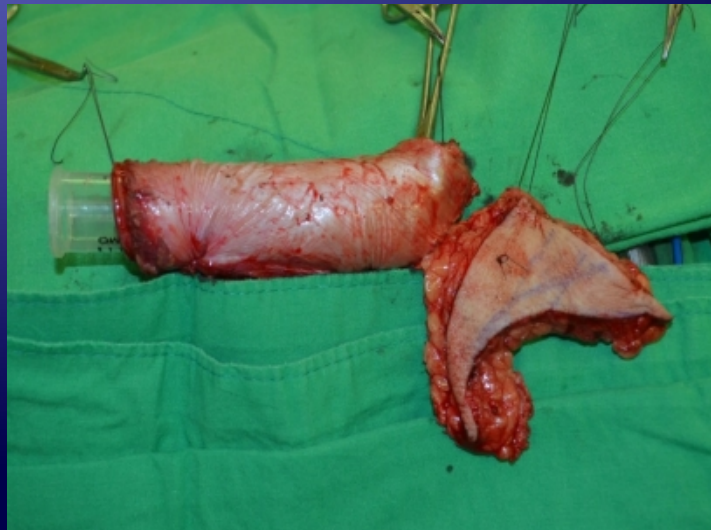
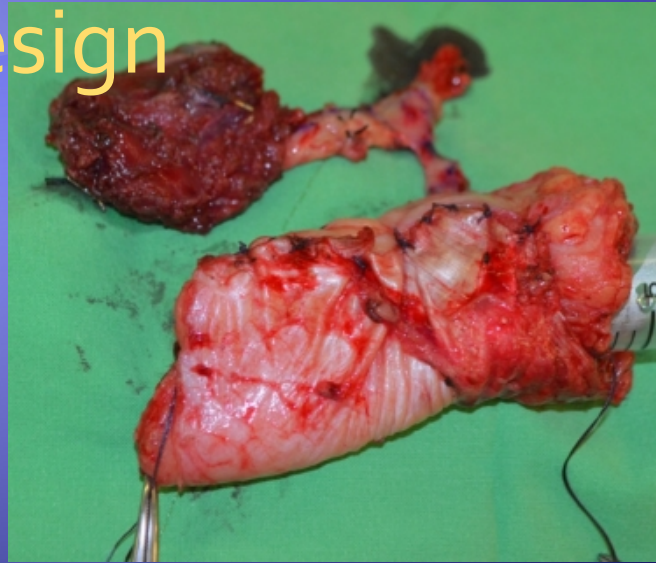
$2\pi r \approx 10 \text{ cm}$



diameter of 3 cm



Flap monitoring: chimeric design



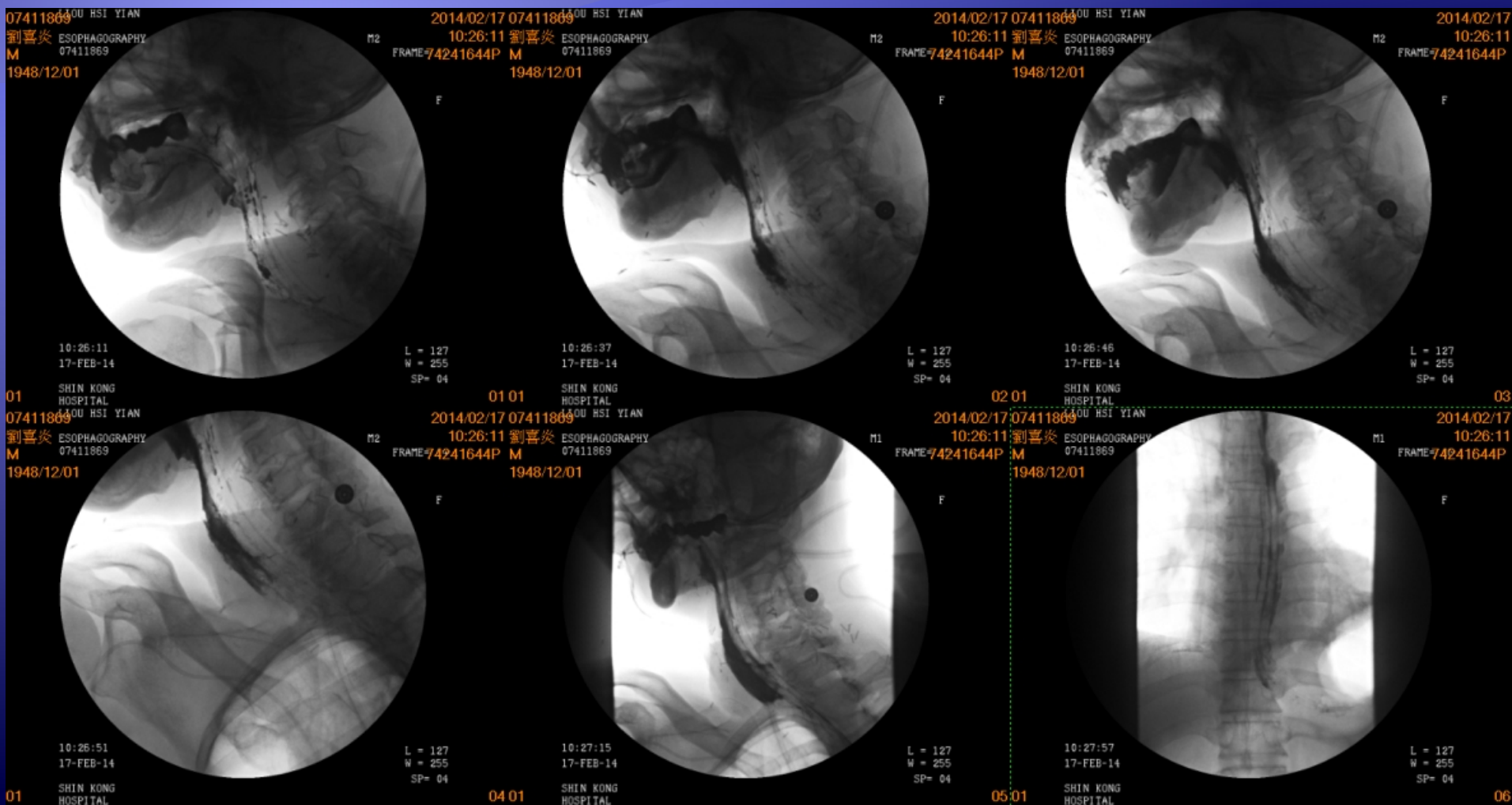
Results: the donor site



Results clinical course



Esophagography (2/17): no leakage



Conclusions:

- 1. **parallelogram design of free ALT flap** is alternative choice for reconstruction after pharyngectomy
- 2. similar functional results as traditional design
- 3. **primary closure** for donor site

In our hospital, F/u till Apr, 2014

- Hypopharyngeal cancer
 - s/p wide excision + reconstruction
- From 2010/4 to 2014/2
- Total of 13 patients:
 - Soft diet: n=7 (54%)
 - Liquid diet: n=3 (23%)
 - Nil: n=3 (23%)

□ Thanks for your attention!



□ Welcome to Taipei!
Taiwan!

