



4th Summer School in Surgical Robotics, Montpellier 2009

## NOTES!!!

## Natural Orifice Translumenal Endoscopic Surgery:

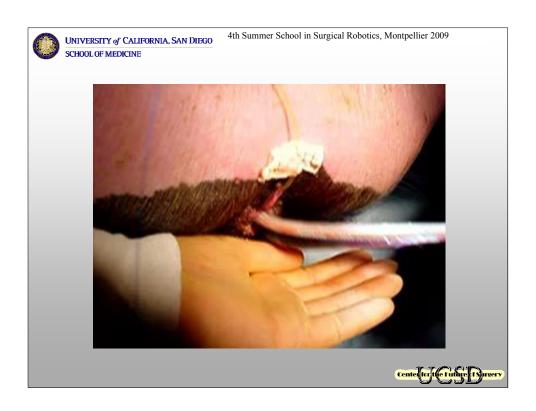
- Intentional puncture of one of the viscera (e.g., stomach, rectum, vagina, urinary bladder) to access the abdominal cavity
- With an endoscope (flexible or stiff)
- To perform an intraabdominal operation

Pearl JP, Ponsky JL: J Gastrointest Surg. 2007 Dec 5

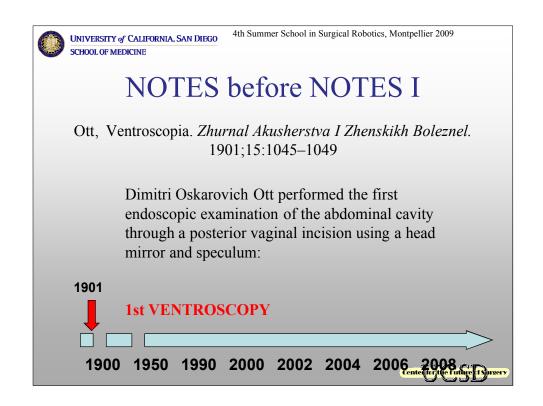


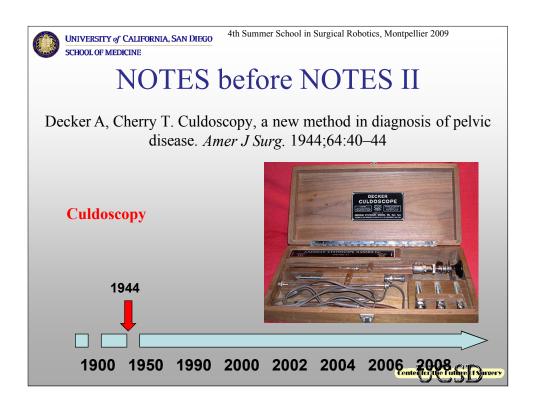


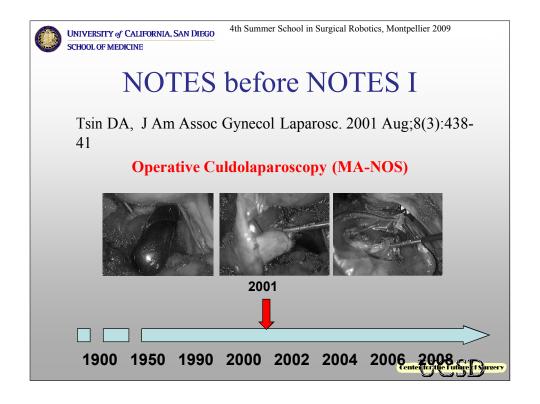








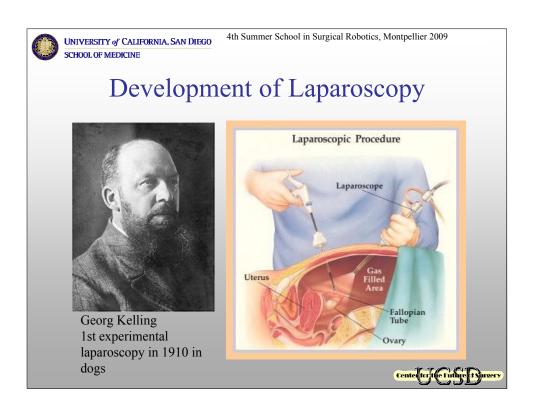






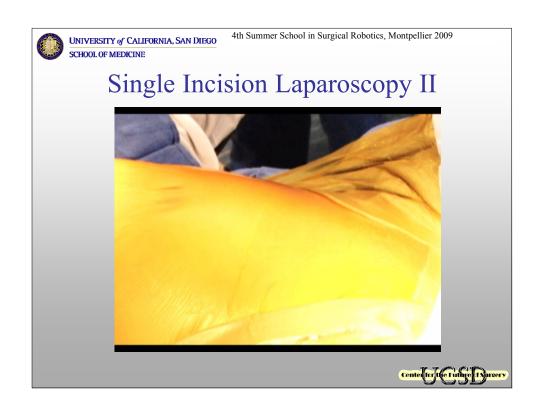












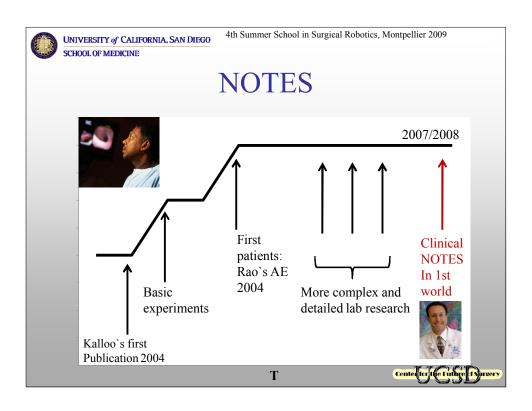




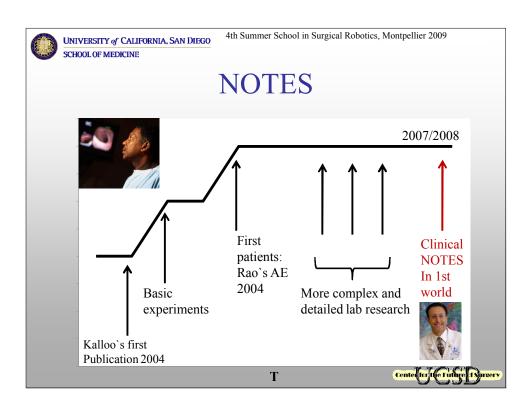


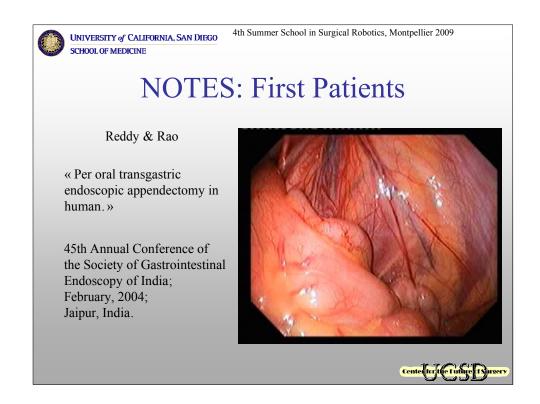


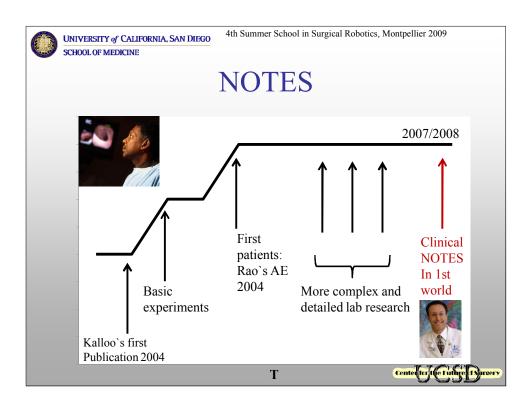


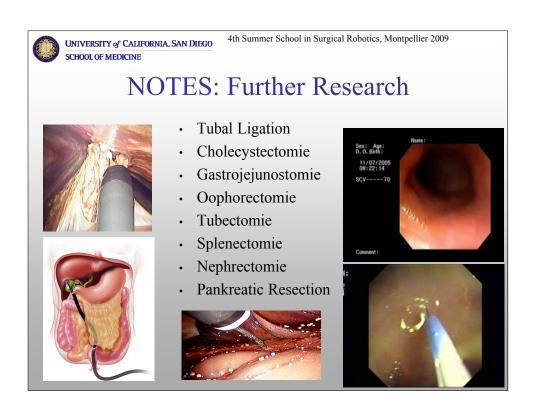


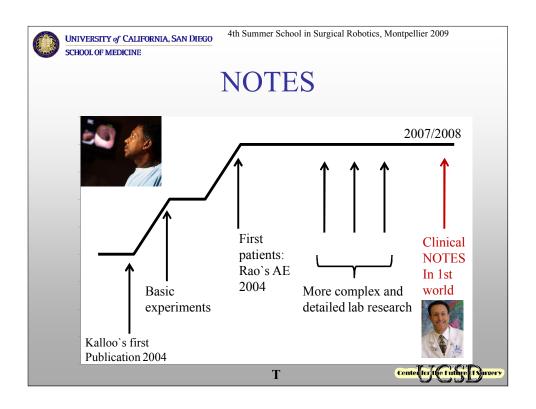




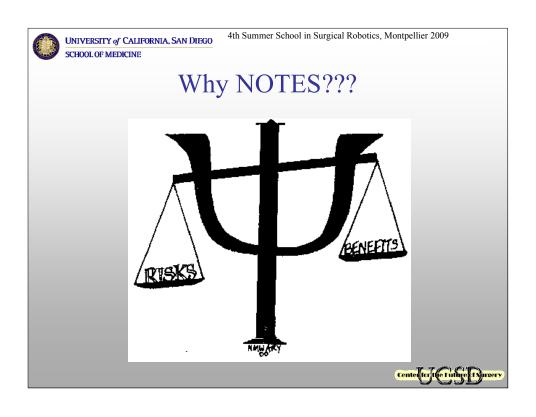


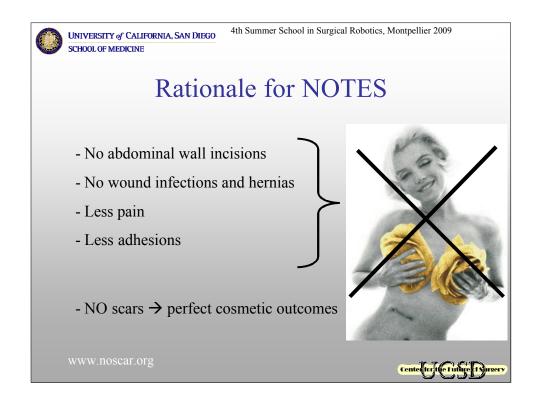


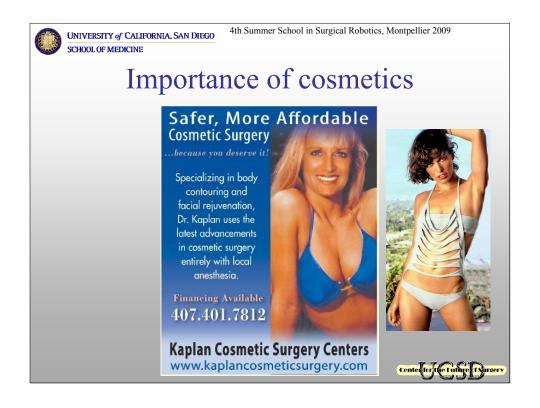














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## Geneva Cosmesis Study

Onsight poll at "day of open wards" + ongoing interviews

#### Questionnaire:

- Importance of cosmetic issues in abdominal surgery
- Satisfaction with previous scars
- Favoritism of scarless surgery
- Favoritism of scarless surgery if risks are increased
- Accepted percentage of risk rise
- Importance of further research and investments

Questions answered on VAS from 0 to more than 100% or 1 to 10





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# Conclusion Geneva cosmesis study

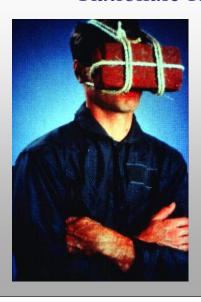
- People strongly favor the idea of scarless abdominal surgery
- No differences between genders have been found
- Certain risks are accepted in order to achieve scarless surgery
- Further research and investments seems important
  - → People have a desire for NOTES!!!





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### Rationale for NOTES II



The NOTES-concept:

Human ingenuity and technological advance can continue to reduce the trauma and discomfort of effective surgery



