

# THE DEVELOPMENT OF NEW HUMAN TEACHING METHODS PAST - PRESENT AND FUTURE



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# Surgical Training

## VCI-0421

**2nd Semester - 80 students**

- 1988 - 1992 = 4 years
- 300 dogs/year = 1200 dogs euthanatized
  
- 1993 - 1999 = 6 years
- 240 dogs/year = 1440 dogs euthanatized

## 1998 - FMVZ/USP

- Prof Nedim C. Buyukmihci  
University of California - Davis (1979-2003)
- Prof Steven Martinez  
Washington State University
- Prof Karen S. Tobias  
Washington State University / Tennessee

# Lara M. Rasmussen, DVM

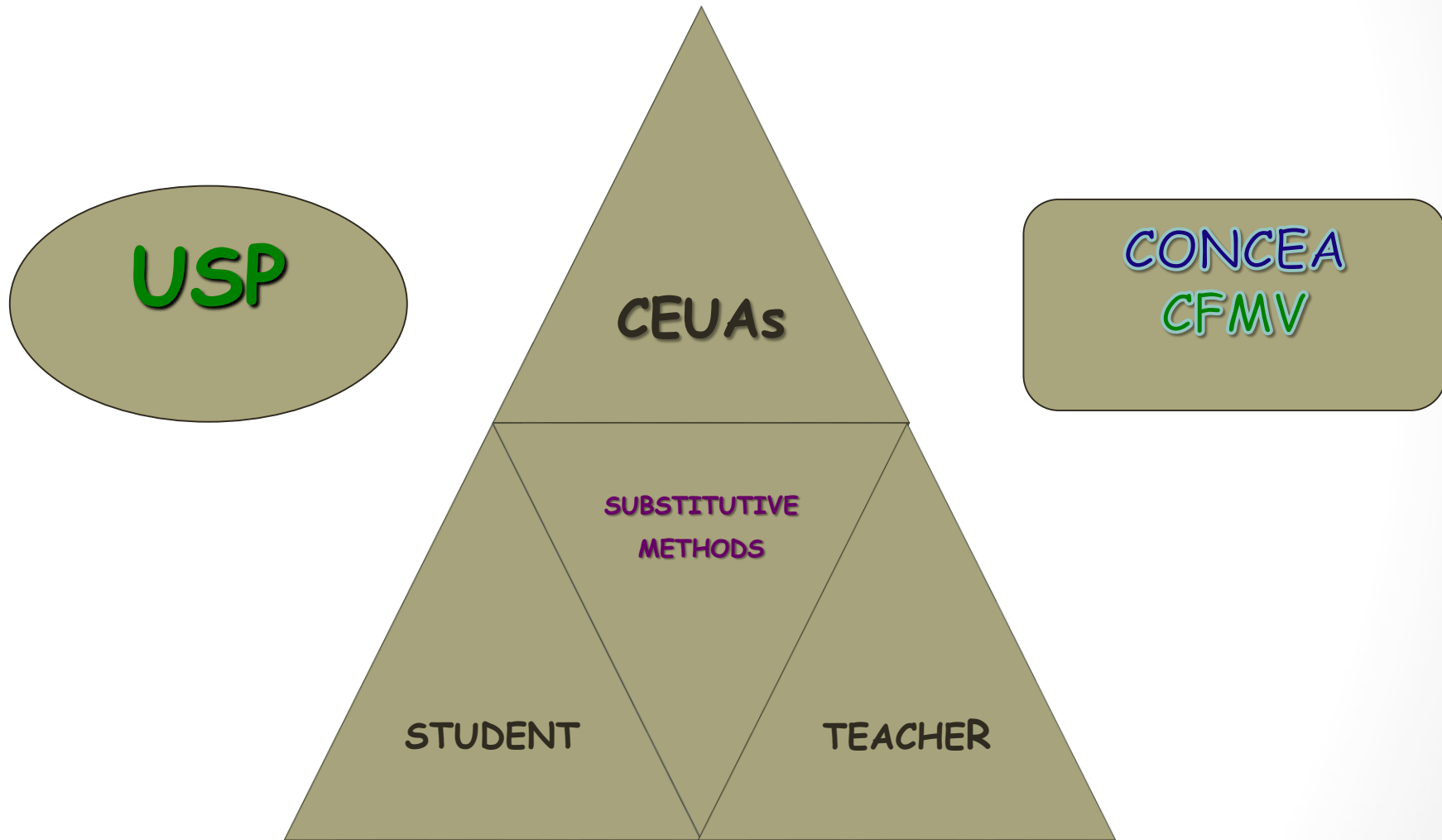
- *I think the biggest limitation for veterinary students is getting past the idea that something is an “alternative”...*
- ***We need to make them normal and typical, not “alternative”!!!***



## M.D. Henry Heimlich Harvard Innovative Program

- By seeing what goes on in the human operating room, these students will learn what it takes to save a life or improve the quality of life.
- And after all, isn't that the goal of all doctors?

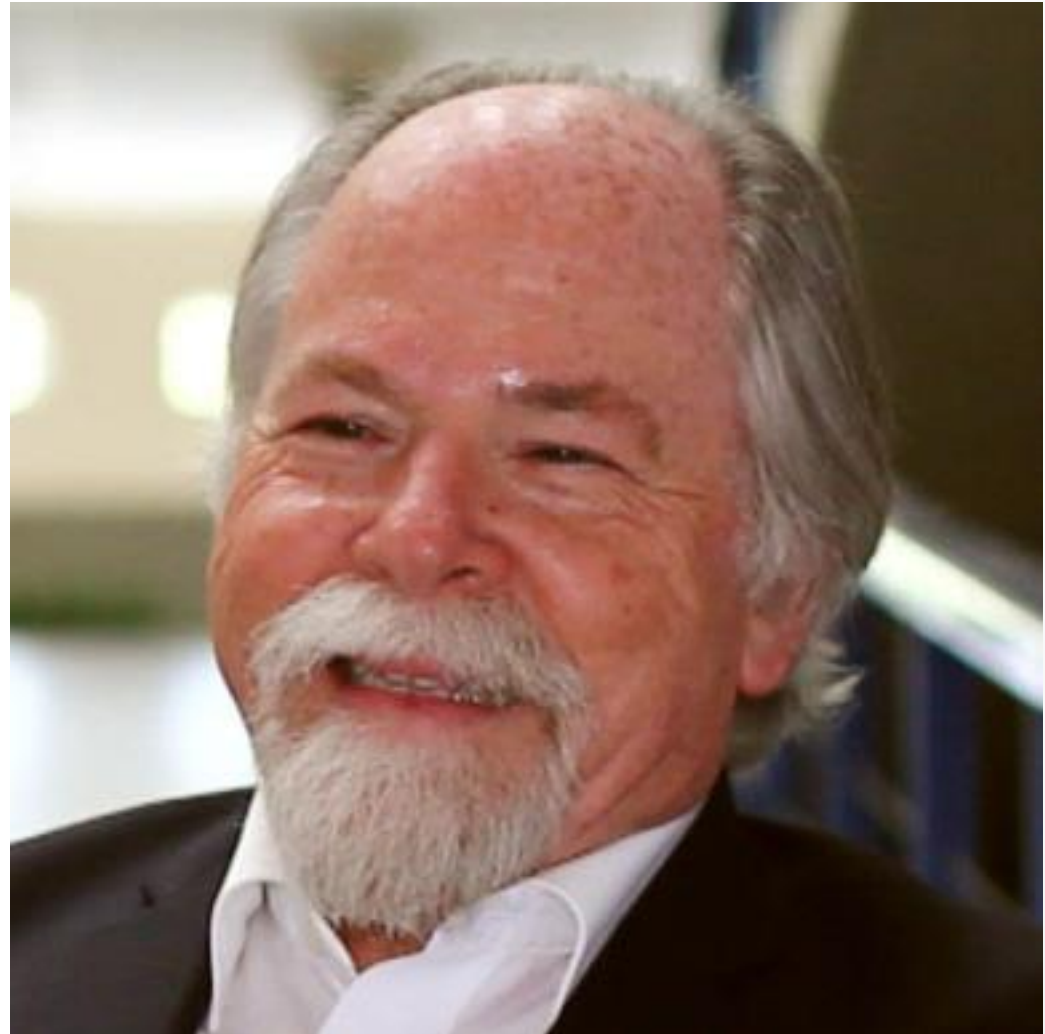
# What Depends???



# Jacques Marcovitch - Rector of USP 1997-2001

Alive University - Diary  
of a Rector, p.503-504,  
2001

November 21<sup>st</sup>, 2000



## Jacques Marcovitch- March 5<sup>th</sup>, 2001

The first mistake a young can commit is to judge himself as omnipotent and owner of the truth. Being young is a great responsibility because at this stage of life the notion of fundamental values, you can get or lose forever

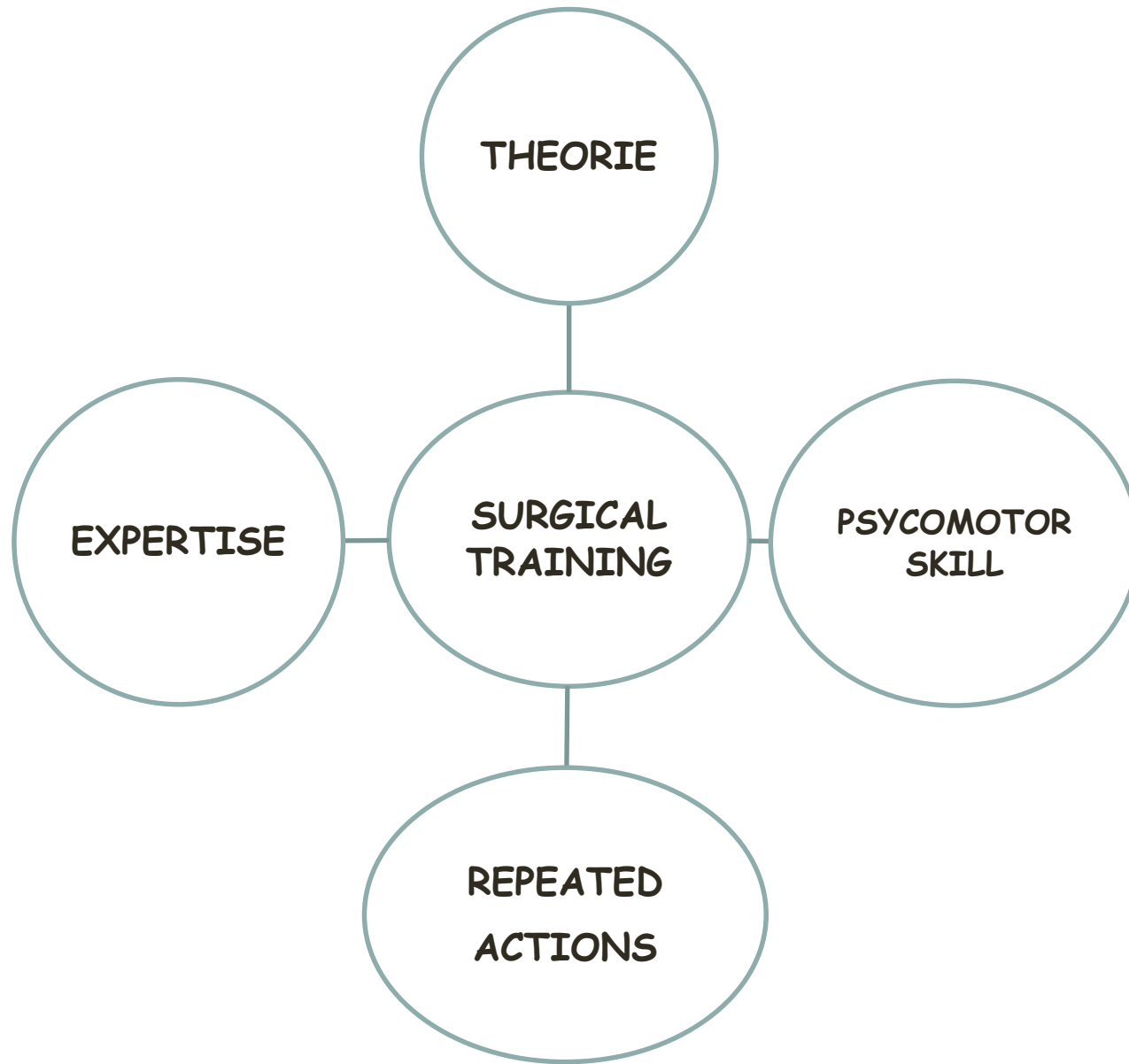
It is not necessary to be the greatest to be useful, it is enough to exercise your office worthily

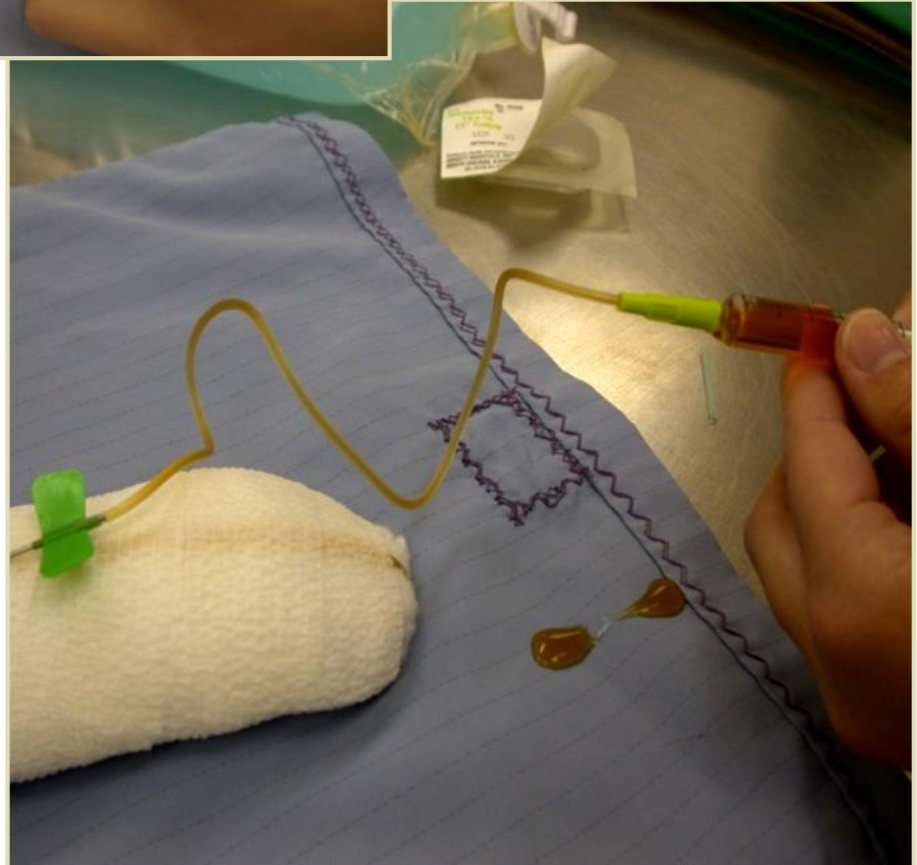
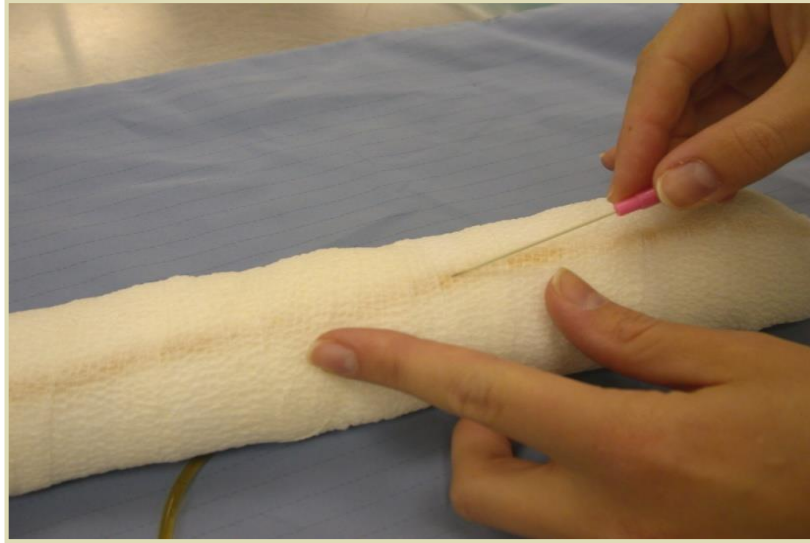


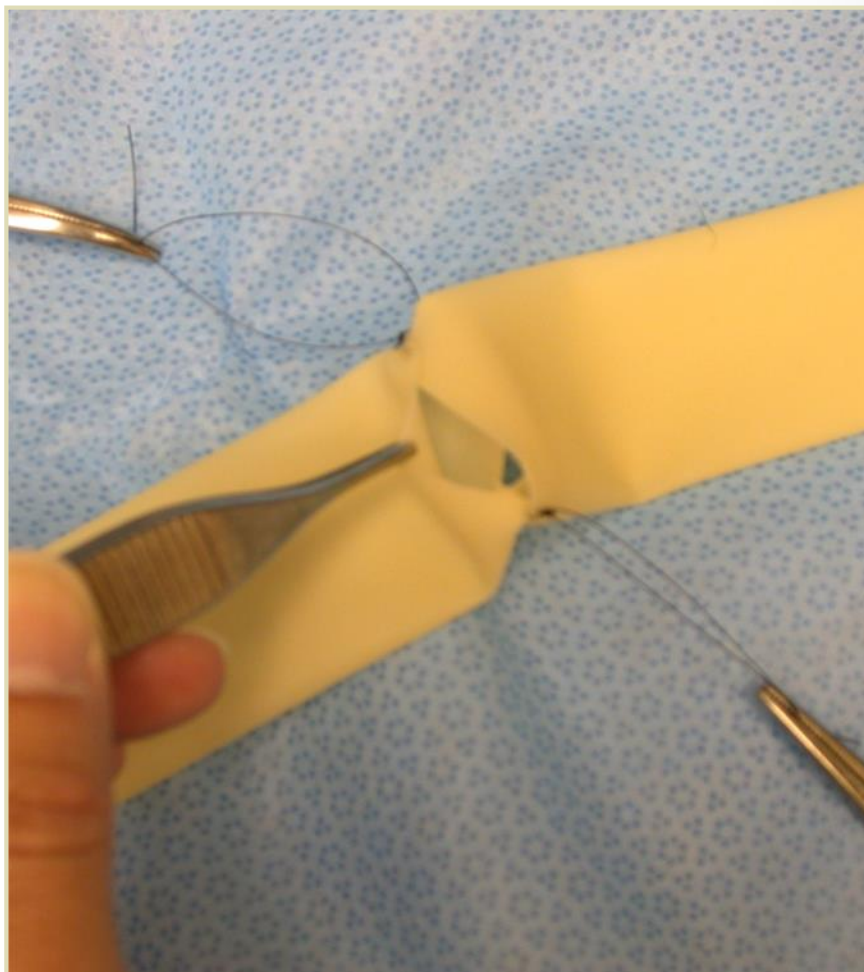
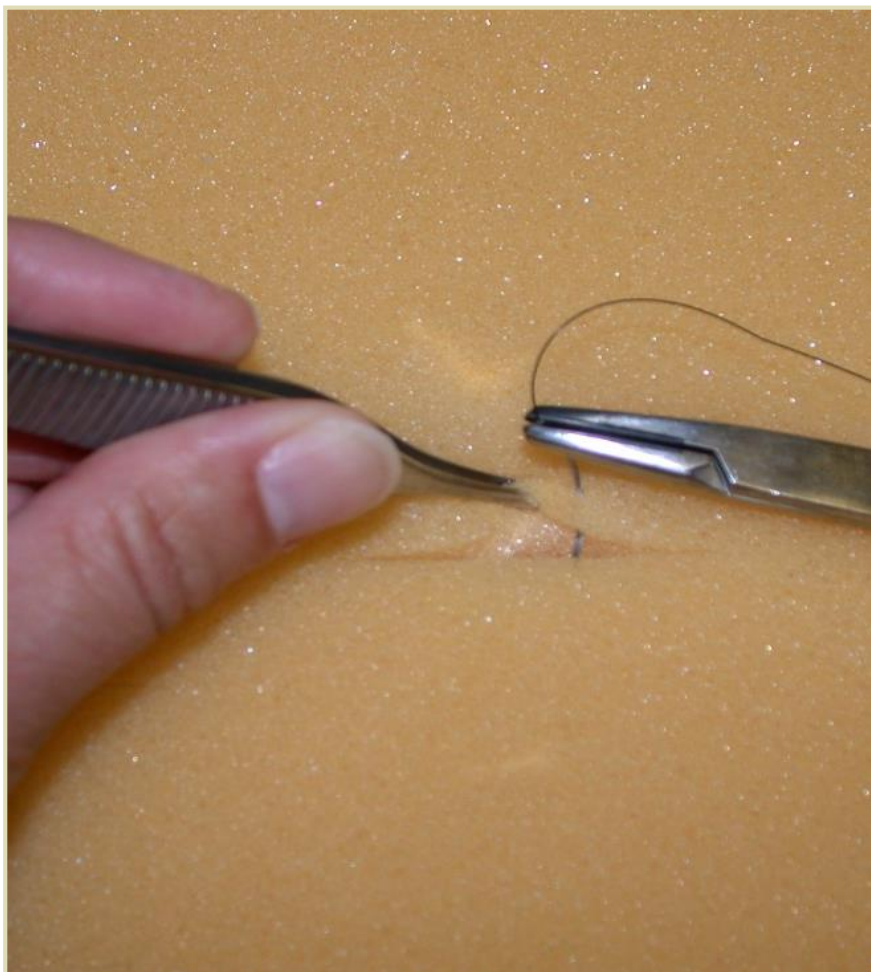
# PRESENT Surgical Training

- 2000 - 2018 - 40  
cadavers/year = 720
- 320 females + males  
neutered/year = 5760

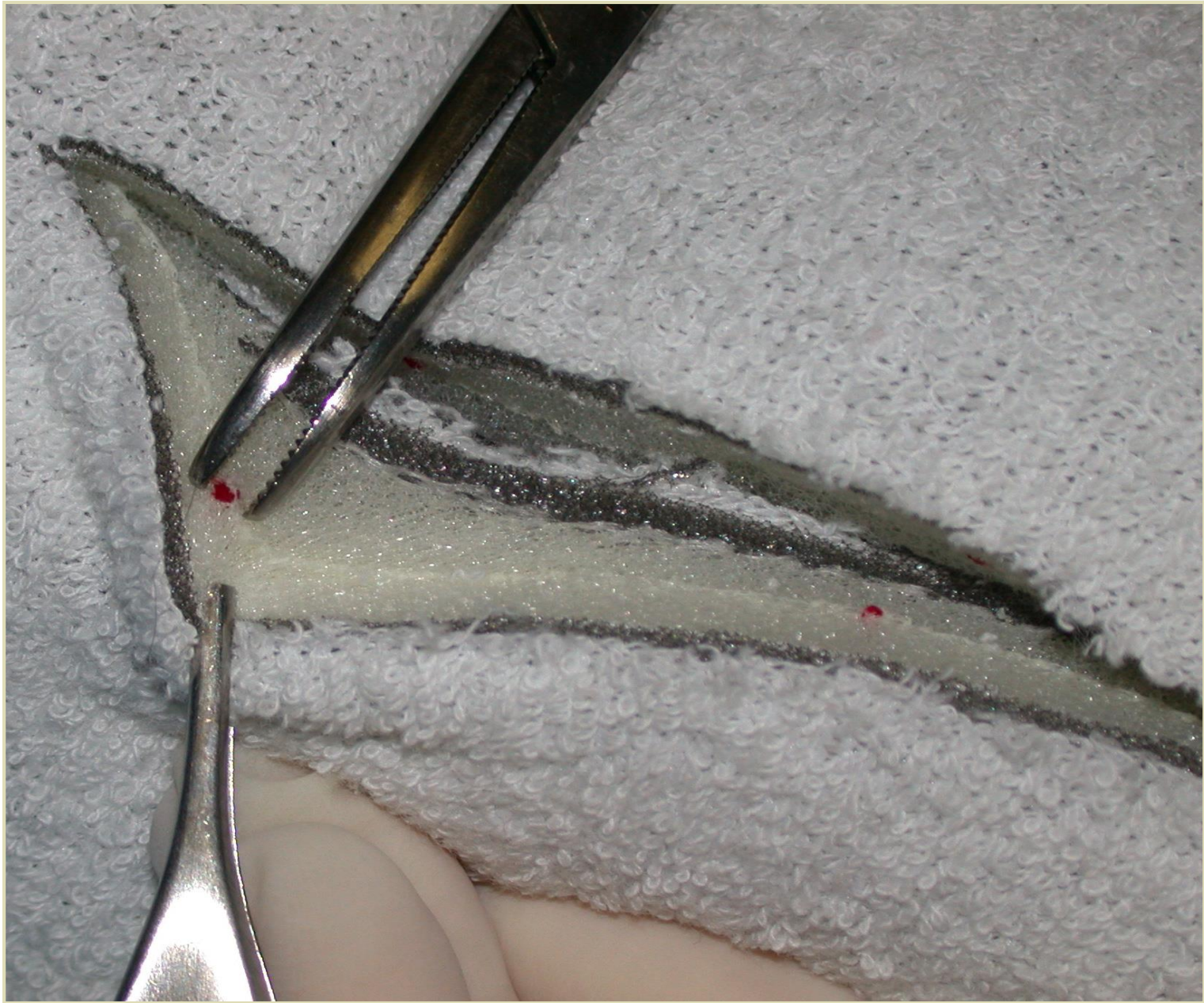










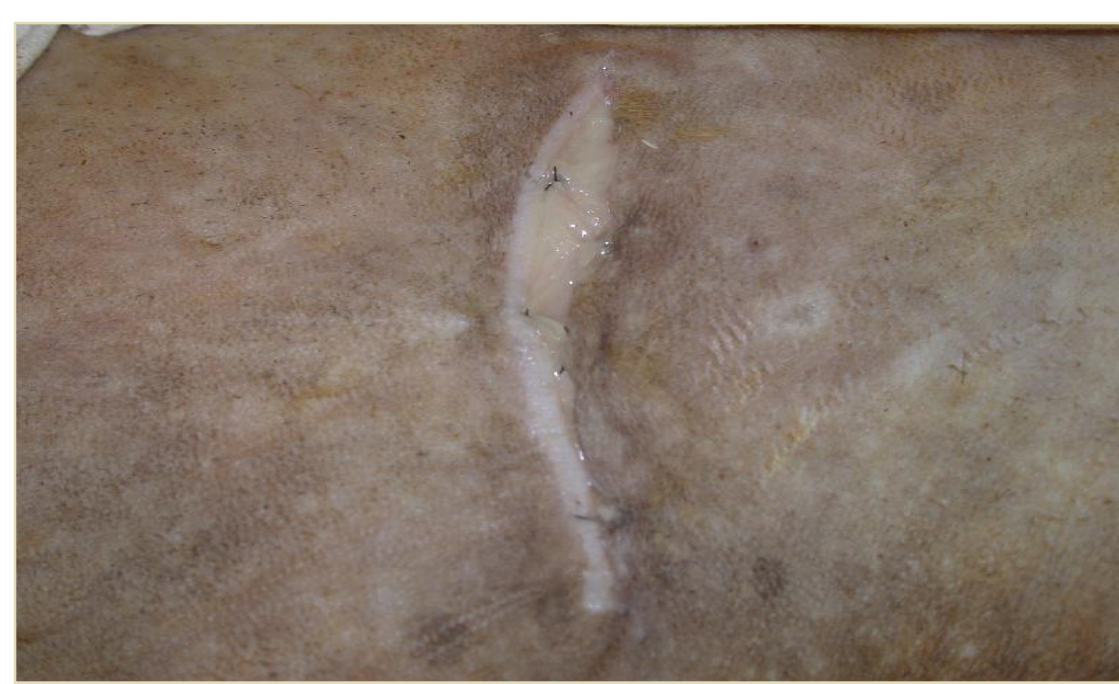


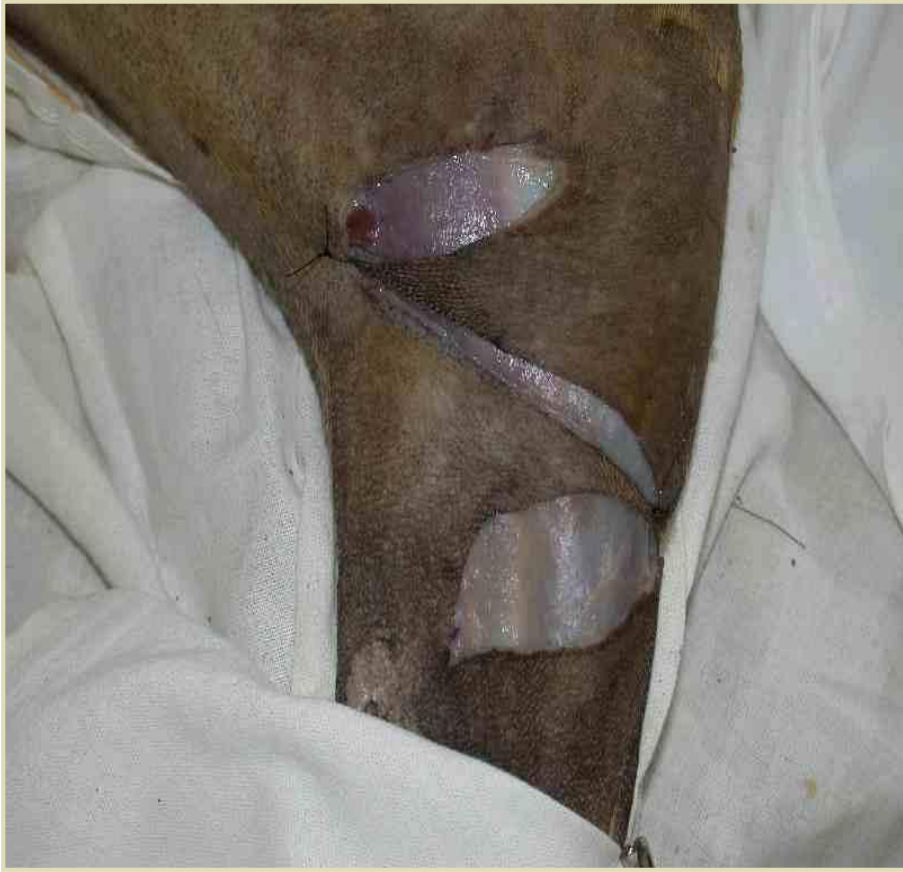




# Rosane M.G.Silva; Julia M.Matera; Antonio Augusto C.M.Ribeiro

- Preservation of Cadavers for Surgical Technique Training
- Veterinary Surgery, 33: p.606-608, 2004
- New Alternative Methods to Teach Surgical Techniques for Veterinary Medicine Students despite the Absence of Living Animals. Is that an Academic Paradox?
- Anatomia, Histologia, Embryologia, 36, 220-224, 2007













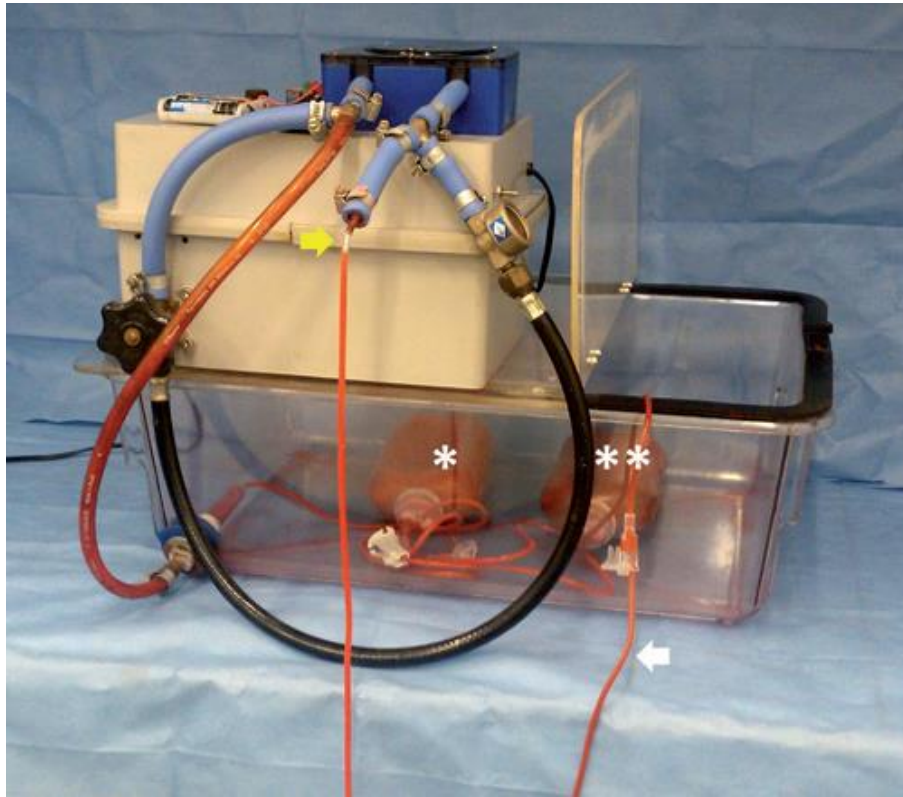




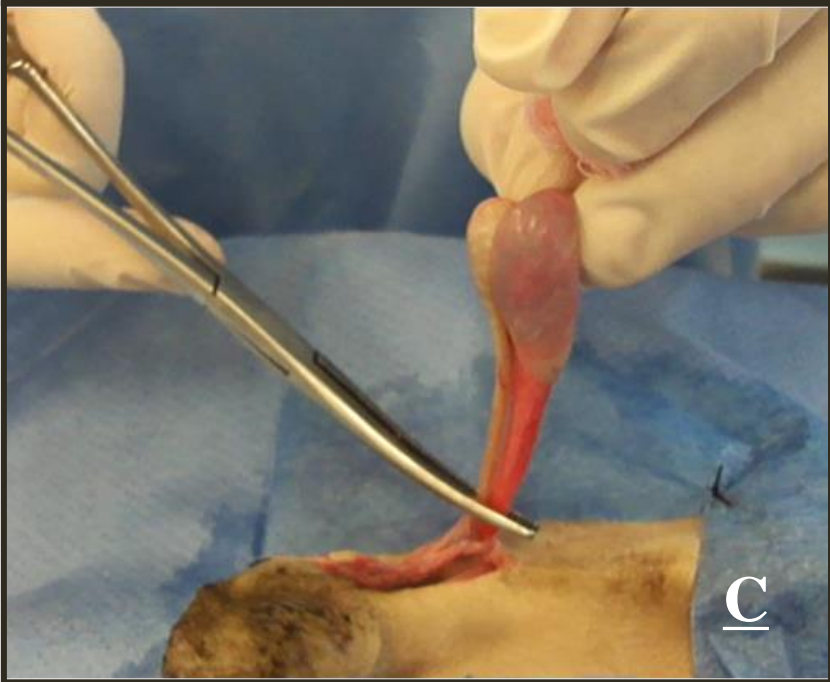
# Maria Claudia Campos Mello Inglez de Souza Julia Maria Matera

- Bleeding simulation in embalmed cadavers:  
bridging the gap between simulation and live  
surgery
- **Altex v.32 (1), p.59-63, 2015**





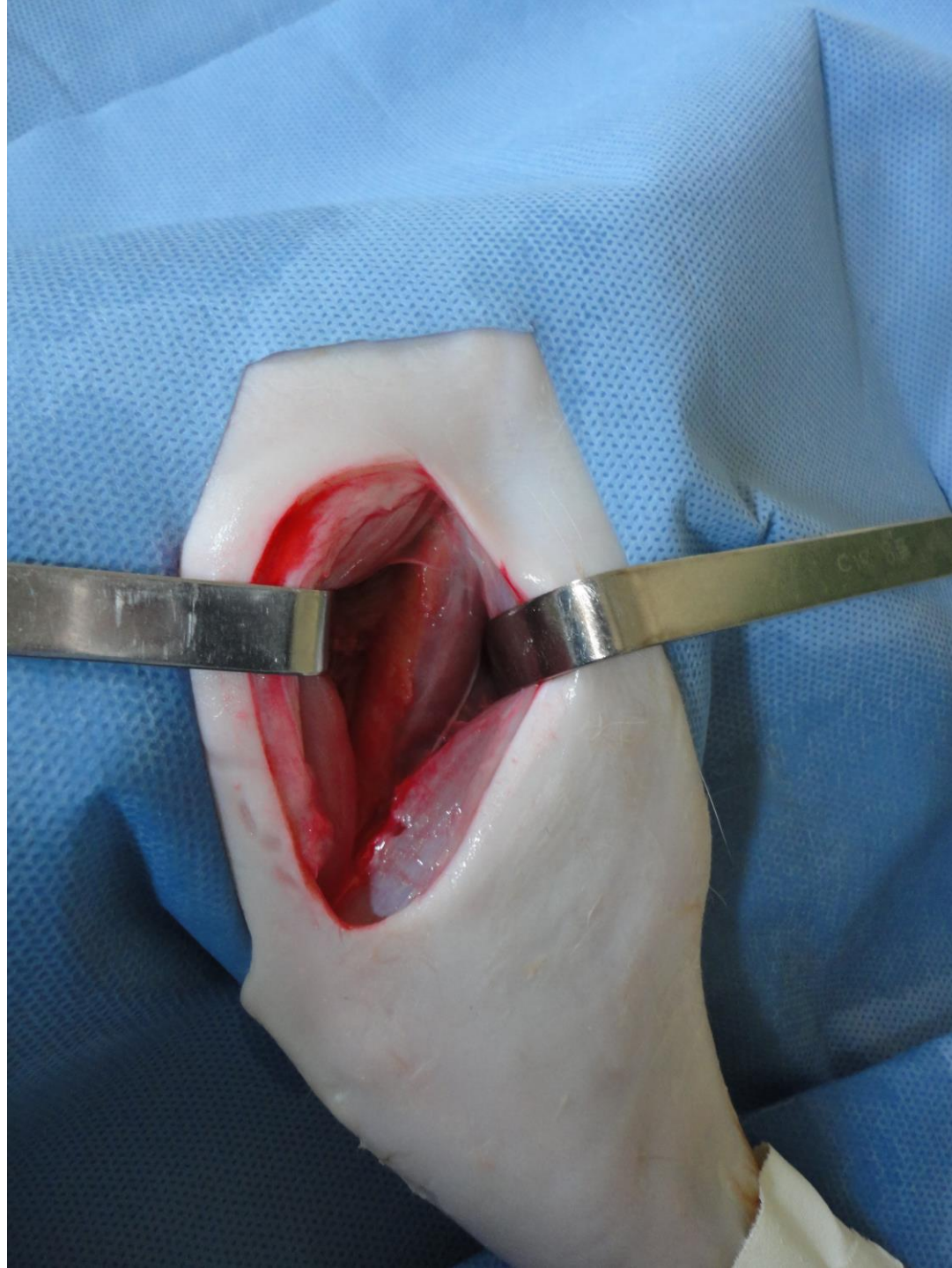






















# SUBSTITUTIVE METHOD

93% Students - Approve the Method

- Simple
- Repetition
- No Stress to Learn Surgery
- Respect for Life
- NON-VIOLENCE IN SURGICAL TRAINING
- NON - KILLING OF NONHUMAN ANIMALS IN VETERINARY MEDICAL EDUCATION







