



UNIVERSITY OF MURCIA
Department of Veterinary Anatomy

**XIX POSTGRADUATE ADVANCED COURSE
PLASTINATION OF BRAIN**

May 11-12th, 2021
Faculty of Veterinary
Murcia, Spain

PROGRAM

Tuesday 11

09:00 WELCOME

09:15-10:45 Brain Plastination overview (20') (S.Grados) (*R.Latorre /Bob Henry*)

- **Brain S10 TECHNIQUE: Keynotes**
 - Fixation and Dehydration (15') (*Constantin Sora*)
 - Impregnation (15') (*Kees de Jong*)
 - Casting/curing (15') (*Octavio López*)

10:45 Coffee (Veterinary Faculty)

11:00 **Practice session in plastination lab**

- **Station 1:** Visit Anatomy Museum and basic equipment for brain S10 plastination
- **Station 2:** Fixation of fresh brains. Injection of ventricular system
- **Station 3:** Dissection of piamater in fixed brains
- **Station 4 (optional):** Dehydration: control % acetone different temperatures
- **Demonstrations:** (all groups together)
 - Alternatives in fixation
 - Vascular injection

13:30 **Lunch** (Veterinary Faculty)

14:30 **Practice session in plastination lab**

- **Station 1:** Start impregnation S10 cold t^a, bubbling speed
- **Station 2:** Start impregnation S15 room t^a, bubbling speed
- **Station 3:** End of impregnation and draining of specimens
- **Common task:** Curing of specimens (all groups together)
- **Common task (extra):** Flat chamber casting of P40 sections UVA light curing.

17:00 **Questions and discussion**

19:30 **Visit to the Casino**, in down town

20:30 **Dinner** (participants and professors)



Wednesday 12

09:00-10:30 **Brain P40 TECHNIQUE: Keynotes** (S.Grados)

- P40 Brain Slices Plastination overview (15') (*R.Latorre*)
- Fixation and Dehydration (15') (*Constantin Sora*)
- Impregnation (15') (*Kees de Jong*)
- Casting/curing (15') (*Octavio López*)

10:30 **Coffee** (Veterinary Faculty)

10:45 **Practice session in plastination lab**

- **Demonstration:** (all groups together)
 - Gelatin embedding
- **Station 1:** Necessary equipment for P40 technique // Good and bad results with P40 technique
- **Station 2:** Brain sectioning for P40 (rotary saw)
- **Station 3:** Mulligan staining
- **Station 4** (optional): Dehydration: control % acetone different temperatures
- **Common task** (extra): Flat chamber casting of P40 sections UVA light curing.

13:30 **Lunch** (Veterinary Faculty)

14:30 **Practice session in plastination lab**

- **Station 1:** Start P40 impregnation, bubbling speed
- **Station 2:** Open flat chamber
- **Station 3:** Flat chamber opening, cutting edges and polishing

17:30 **Questions and discussion**

18:00 **Course Evaluation**

20:30 Working dinner (professors)