Anatomy, histology and embryology of the porcine digestive system

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(3 h / 0.3 CP) (max. 25 participants)
26.10.10 / 9:30-12:00 h
Dahlem, Koserstrasse 20, Präparationssaal (Veterinär–Anatomie)
Johanna Plendl
Pawel Janczyk
Hana Hünigen
Ole Gemeinhardt

Embryology and applied morphology of digestive system in pig nutrition research
Research in the field of pig nutrition covers effects of nutrients on the development of the digestive tract and associated organs both pre- and postnatally. Development of the digestive tract is important to understand also as a prerequisite to identify improper development and malformations. Students will be provided with information on pig embryology including development of oral and nasal cavity, upper and lower gastrointestinal tract (GIT), liver and pancreas.
In many research articles coping with effects of pre- or probiotics, ZnO, butyric acid a. o. developmental morphological parameters of the GIT are under investigation as a part of the target organ. Examples from the literature will be presented. Focus of the lecture will be on methodology and application of anatomical knowledge for research purposes.

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