**NOVA PhD Course**

**Advanced Imaging Procedures in Canine Clinical Veterinary Science**

**Time schedule - Endoscopy**

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| **Day** | **Time** | **Lecturers** | **Topic** | **Room** |
| **Mo. 29.05.** | 09:00-09:40 | Thomas Spillmann | Introduction to the course | Paatsama lecture hall |
| 09:40-10:25 | Ellen Skancke | The clinical use of white light endoscopy in the stomach of dogs and cats - possibilities and limitations |
| 10:25-10:55 | Marcus Candido | Chromoendoscopy – principles and indications |
| 11:15-12:00 | Sören Meisner | Narrow band imaging in humans – the clinical basics - part 1 |
| 12:00-12:45 | Sören Meisner | Narrow band imaging in humans – the clinical basics - part 2 |
| 12:45-13:30 | Lunch |
| 13:30 -16:00 | Group work | Preparation of endoscopy journal club presentations on Tue. 30.05. | Paatsama lecture hall and seminar rooms |
| **Tue. 30.05.** | 09:00-09:45 | Thomas Spillmann | Endoscopic retrograde cholangio-pancreatography (ERCP) in dogs and cats  | Paatsama lecture hall |
| 09:55-10:40 | Marianne Udd  | Endoscopic mucosal resection (EMR) and endoscopic submucosal dissection (ESD) in human medicine  |
| 10:40-11:00 | Spillmann/Udd | Panel discussion |
| 11:00-12:00 | Spillmann/Candido | Round tour small animal hospital |
| 12:00-13:00 | Lunch |
| 13:00-16:00 | Thomas Spillmann | Journal club – endoscopy in small animal gastroenterological research |  |

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**Time schedule – Ultrasound and Magnet Resonance Tomography**

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| **Day** | **Time** | **Lecturers** | **Topic** |  |
| **Wed. 31.05.** | 09:00-09:45 | Perttu Arkkila | Principles of elastography and its clinical use in adult humans – Part 1 | Paatsama lecture hall |
| 09:55-10:40 | Perttu Arkkila | Principles of elastography and its clinical use in adult humans – Part 2 |
| 10:50-11:35 | NN | Shear wave elastography of abdominal organs in healthy dogs |
| 11:35-12:00 | Arkkila | Panel discussion |
| 12:00-13:00 | Lunch |
| 13:00-16:00 | Group work | Preparation of ultrasound journal club presentations on Thu. 01.06. | Paatsama lecture hall and seminar rooms |
| **Thu. 01.06.** | 09:00-09:45 | Annerose Günzel-Apel | Endocrinological background of cyclic changes in sonographic images of the non-pregnant genital tract of the bitch | Paatsama lecture hall |
| 09:55-10:40 | Annerose Günzel-Apel | Prerequisites for the correct interpretation of sonographic images of the ovaries and uterus – Part 1 |
| 10:50-11:35 | Annerose Günzel-Apel | Prerequisites for the correct interpretation of sonographic images of the ovaries and uterus – Part 2 |
| 11:35-12:00 | Annerose Günzel-Apel | Panel discussion |
| 12:00-13:00 | Lunch |
| 13:00-16:00 | Group work | Journal club – abdominal ultrasound and elastography in small animal research | Paatsama lecture hall |
| **Fr. 02.06.** | 09:00-09:45 | Sibylle Kneissl | Basics of CT and MR imaging for postgraduate veterinary students  | Paatsama lecture hall |
| 09:55-10:40 | Sibylle Kneissl | CT and MR anatomy and cases of the female patient |
| 10:50-11:35 | Sibylle Kneissl | CT and MR anatomy and cases of the male patient |
| 11:35-12:00 | Sibylle Kneissl | Panel discussion |
| 12:00-12:30 | Thomas Spillmann | Feedback |