

Workshop on  
**“Musculoskeletal Ultrasonography in Cattle”**  
and  
**“Trimming and Diagnostics”**

during the International Conference of Lameness in Ruminants in Munich  
Wednesday 6<sup>th</sup> September 2017



**Topic:** **Ultrasonography of the bovine musculoskeletal system in clinical practice:** the diagnostic possibilities in detection of the lameness causes using ultrasonography in general, and what regions and structures of the musculoskeletal system can be examined successfully using the still available 5 – 8 MHz linear rectal probe by bovine practitioners

**Date:** Half day workshop including theoretical background and practical exercise (4 hours); with the option of two rotations of the workshop (with the identical program) depending on the number of persons registered. In the case, that only one rotation will be organised, the workshop will start in the early afternoon (13:00).

**Applied for 7 h ATF.**

**Venue:** Clinic for Ruminants, Oberschleissheim, Munich

**Number of participants:** max. 16 persons per rotation

**Speakers & Supervisors:** J. Kofler and others

**Objectives of the Workshop:**

1. To give an overview of the relevant indications of the application of ultrasonography of the musculoskeletal system in cattle and to demonstrate the diagnostic gain of this imaging technique (lecture).
2. To illustrate the value of the complementary ultrasonographic examination following the preceding clinical investigation of all the different joint regions in cattle (practical workshop).
3. To train the participants in the basic ultrasonographic examination of the of the musculoskeletal system in cattle (practical workshop).

Based on the theoretical lecture, the ultrasonographic examination procedure of the structures and regions of the musculoskeletal system, the normal appearance and typical ultrasonographic pathologies of joints, tendon sheaths, bursae, ligaments, tendons, bone (arthritis, tenosynovitis, bursitis and other orthopaedic disorders) in cattle limbs will be presented.

In live cattle and prepared specimens with specific pathologies the ultrasonographic investigation (practical workshop) will be carried out by the participants, and they will be trained in the examination following the established standardized systematic examination protocols.

# Workshop Program

## “Musculoskeletal Ultrasonography in Cattle”

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**Wednesday 6<sup>th</sup> September 2017**

### ***Morning Rotation***

*From 8:00 WELCOME Reception at Lecture Hall*

8:30 -9:15 Ultrasonography of joint regions, tendons & tendon sheaths (J. Kofler, 45 min)

9:15 *Coffee break*

9.45 – 12.30 Practical Workshop: Sonography of the musculoskeletal system

### ***Afternoon Rotation***

13:30 -14:15 Trimming and Diagnostic for Vets

14:15 *Coffee break*

14.45 – 17.30 Trimming and Diagnostics for Vets

*End of the Workshop*

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