

# Pelvic pathologies in puppies in connection with growth

## Controlled training and exercise plan for the puppy

by Patrick Blättler Monnier, DVM orthoVET

### Content overview of the webinar

1. **Introduction to movement diagnostics with LupoGait:** relevance of early detection in the growth process
2. **Anatomy of the pelvis in the young dog:** central structures and their development
3. **Hip joint development and its influence on movement:** Normal vs. abnormal developmental trajectories
4. **Puppy Study:** LupoMove Puppy: movement-analytical examination in puppies, aim: to recognize early indicators of maldevelopment and make them objectively measurable «*Serial kinematic analysis using inertial measurement units in growing dogs at risk of hip dysplasia*» (2024)  
<https://www.sciencedirect.com/science/article/pii/S2451943X24000528>
5. **Diagnosis of hip joint pathologies in puppies**
  - a. Structural: imaging, radiology & early diagnosis
  - b. Functional: Kinematic movement analysis
6. **Practical case:** diagnostics & course of therapy in a puppy
7. **Juvenile pubic Symphysiodesis (JPS):** indication, timing & preventive benefits
8. **Application of LupoMove Puppy** in veterinary practice and osteopathy
9. **Pelvic- associated structures and their functional relationship**
  - c. Lumbar Spine
  - d. Stifle Joint
  - e. Locomotion in the overall context
10. **Pain processing and brain waves in connection with movement:** Neurological principles of functional pain diagnostics