Clinical, biochemical, and histologic effects of intra-articular administration of autologous conditioned serum in horses with experimentally induced osteoarthritis.


16 horses

**ACS-Group:**
- 8 middle carpal joints, induced Osteoarthritis
- 6 mL ACS on day 14, 21, 28, and 35

**Placebo-Group:**
- 8 middle carpal joints, induced Osteoarthritis
- 6 mL PBS on day 14, 21, 28, and 35

No adverse treatment-related events were detected.

**Results**

**Significant changes in ACS-Group vs Placebo-Group:**
- clinical improvement in lameness scores
- reduction in synovial membrane hyperplasia

Synovial fluid IL-1 Ra concentrations significantly differ between ACS and placebo treated groups by day 35 (*,+).