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## Clinical and radiographic diagnosis of developmental orthopedic disease and bone lesions determined in thoroughbred arabian foals in Turkey

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In this study, Thoroughbred Arabian foals in the Anatolia Tigem Farm Foundation were examined to determine the presence and prevalence of developmental orthopedic diseases and bone lesions which causes huge economical losses in the purchasing of foals was aimed. The materials for this study are Thoroughbred Arabian foals in Tigem Anatolia Farm foundation that were born on the same season. In total 50 foals were evaluated with clinical, radiographical examination, nutrition, water, soil and blood analysis findings. In clinical, radiographic examination, nutrition, water, soil and blood analysis results a variety of bone lesions were observed in 25 of 50 foals that are involved in the study. Hindlimb and / or forelimb sesamoiditis, osteochondrosis dissecans, phytitis, subchondral cystic

lesion was observed alone or together. As a result of the study, we concluded that clinical examinations are inadequate and radiographic examinations are necessary for definitive diagnosis of developmental orthopedic diseases and bone lesions that are affecting horses' future race performance. We also concluded that blood parameters change during foal's physical development, but these changes don't affect developmental orthopedic diseases. To reduce the economic losses caused by the orthopedic developmental diseases in foals involved in this study that are raised in Tigem Anatolia Farm Foundation; the composition of pasture must be regulated, animal nutrition must be analysed carefully and exercise programmes must be under control.

### Biography

Ozlem Sengoz Sirin has completed his PhD in 2008 from Ankara University and postdoctoral studies from Mehmet Akif Ersoy University School of Veterinary Medicine. She was the coordinator and instructor of the first AOVET course in Turkey. Additionally, she is working in group of TINNET as a delegate of Turkey (TINNET is a European research network funded by the COST program under the Action number BM1306). She finished six important projects in her country and still she is dealing with two projects. She gives orthopedic trainings in her country. She is married and she has two children.

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