

# INVESTIGATION OF UDDER EDEMA IN A LARGE-SCALE DAIRY FARM IN HUNGARY

Violetta Tóth<sup>1</sup>, Myrtil Gráff<sup>1</sup>, Edit Mikó<sup>1</sup>, László Gulyás<sup>2</sup>

<sup>1</sup> University of Szeged Faculty of Agriculture: Institute of Animal Sciences and Wildlife Management, Address: 6800 Hódmezővásárhely, Andrassy street 15., Hungary

*toth.violetta@mgk.u-szeged.hu*

<sup>2</sup> István Széchenyi University, Faculty of Agricultural and Food Sciences Department of Animal Science, Address: 9200 Mosonmagyaróvár Vár square 2., Hungary

Mastitis is the most common and most costly disease of dairy cows, so great emphasis should be placed on its prevention. There is evidence that udder edema is a predisposing factor for mastitis. Udder edema is specific to cattle breeds with high milk production. In order to maintain proper udder health and avoid mastitis, it is important to prevent the udder from being edematous. The studies were performed in the Holstein-Friesian herd of a large-scale Hungarian dairy farm. The severity of udder edema was scored weekly from 0-3 points one week before calving and for 3 weeks after calving. After calving, we examined the length and diameter of the udder teats. The udder temperature was measured. The elasticity of the skin of the edematous udder was also examined. The aim of the study is to observe whether udder edema increases the incidence of mastitis.