The Presence of Macrophages Infiltrate and Correlation With C Reactive Protein on The Adipose Tissue in Obesity

RUS V. I., A. GAL, A. I. BABA

Pathology Department, Faculty of Veterinary Medicine, University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania

SUMMARY

Adipose tissue is a heterogeneous population of cells, composed not only of adipocytes (30% to 60%) but also non-adipocytes such as preadipocytes, fibroblasts, macrophages, and vascular cells. This implies that paracrine interactions between adipocytes and non-adipocytes such as macrophages, influence the type of inflammatory response in adipose tissues in obesity-related inflammatory conditions. Activated macrophages, which are indispensable for inflammatory responses, release a variety of proinflammatory mediators and, thus, play a pivotal role in inflammatory responses. Also we will see if there is a correlation between this infiltrate and presence of C reactive protein.