Effect of hydroalcoholic extract of Teucrium polium on the Process of Wound Healing in Diabetic Rats

Mohsin Ahmed Salih¹, Asmaa Najm Abdullah ², Sadat A. Aziz ³*

¹ Department of Histopathology, College of Veterinary Medicine, University of Sulaimani, Kurdistan Region, Iraq
² Department of Pathology, College of Medicine, University of Sulaimani, Kurdistan Region, Iraq
³ Department of Basic Sciences, College of Veterinary Medicine, University of Sulaimani, Kurdistan Region, Iraq

*Correspondent author: sadat.aziz@univsul.edu.iq

Figure 1: Measuring wound size: 1) Before taking the photos, a distance between two points on a fixed surface (table or bench) is determined. 2) The software is calibrated by taking a photo of a measuring tape (Ruler), which has been taken at the same distance as the wounds were taken (figure 1-A). 3) The wound area can be calculated as shown in (figure 1-B) by selecting the wound area, analyze then measure.

Figure 2: Measuring Collagen density: 1) Take a photo of Masson trichrome stained section under microscope(40X). 2) Open the photo using image-j software, select GRB stack (image-----GRB stack), select image, adjust, color threshold until the background contract of the analyzed photo matches with the Masson trichrome stained photo, then select analyze---measure (figure-2).