

#### Global Proceedings Repository

American Research Foundation

شبكة المؤتمرات العربية

http://arab.kmshare.net/

ISSN 2476-017X

Available online at http://proceedings.sriweb.org

#### The 13th International Scientific Conference

# Under the Title "A PLATFORM FOR PRESENTING, DISCUSSING AND ANALYZING ACADEMIC, SCIENTIFIC, TECHNICAL, AND APPLIED RESEARCH ACHIEVEMENTS"

المؤتمر العلمي الدولي الثالث العاشر

''المنصة الاولى لعرض ومناقشة وتحليل الانجازات الاكاديمية والعلمية والفنية والتطبيقية والبحثية''

۲۸-۲۷ يوليو - تموز ۲۰۲۲ اسطنبول-تركيا

http://kmshare.net/isac2077/

## Effect of Freshly Prepared Autologeous Platelets Rich Plasma on Limb Gait in induced complete Femoral transverse fractures in Dogs

### Rabia Ali Abed <sup>a</sup>, Humam H. Nazht , <sup>b</sup> and Raffal A. Omar <sup>c</sup>

- <sup>a</sup> Veterinary doctor/ Master degree/ Ministry of Agriculture / Al-Hula/ Iraq
- <sup>b</sup> Surgery and Obstetric Department /College of Veterinary Medicine /University of Baghdad/Iraq
- <sup>c</sup> Physiology, Biochemistry, and Pharmacology Department, College of Veterinary Medicine, University of Baghdad/Iraq

# **Humam\_Nazhat@yahoo.com** 009647901784013

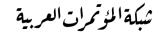
#### **Abstract:**

The presents study was designed to evaluate the effect of freshly prepared autologeous platelets rich plasma (A-PRP) on limb gait , and body weight bearing of induced femoral mid shift fracture in 18 adult stray male dogs . The fractures created under general anesthesia with highly aseptic technique . The operated animals divided to tow equal group each (n=9) , group A control group which followed for normal healing processing without additive ,while group B treatment group which injected 3ml of the A-PRP locally at the site of fracture after the end of surgical operation . The evaluation done according to the limb gait score , which consist of 5 different degree and level ,the results revealed ,there is gradual improvement in limb gait in treatment group compare to the control group ,in which the animals use the affected limb normally in walking and running with complete body weight support at the end of  $28^{th}$  day p. o. with score ( $1.83\pm0.16$  d), while the control group persist until the end of 35th day p. o. which take the score ( $1.00\pm0.00$  e) . The conclusion was, injected single dose of A-PRP for treatment of induced femoral mid shift fractures that fixed



## Global Proceedings Repository

American Research Foundation



http://arab.kmshare.net/

ISSN 2476-017X

Available online at http://proceedings.sriweb.org

by intramedullary pining ,rapidly promote and enhance used the limb normally in walking running with complete support body weight better than control group.

**Key words**: autologeous platelets rich plasma (A-PRP), body weight bearing, femoral mid shift fracture, limb gait score.