The Role of Newer Modalities of Conservative Treatment on the Functional and Aesthetic outcome of Fingertip Injuries

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Abstract

Introduction: The fingertip is a specialised structure that permits fine motor activity, precise sensation and contributes to hand aesthetics. Several conservative therapeutic modalities have been used for treatment; each of them has its own advantages and disadvantages. However, evidence is still lacking in the literature supporting either line of treatment.

Aim of the work: The purpose of the study is to compare the functional and aesthetic outcomes between different conservative therapeutic modalities in the treatment of fingertip injuries.
Patients and Methods: This study included 30 patients with Allen's type II and III of fingertip injuries admitted to The Plastic and Reconstructive Surgery Department of Tanta University Hospital.

Results: The Platelet gel in the conservative treatment showed a significantly shorter time of healing compared to other modalities of conservative treatment ($p=0.004$) thus a significant faster recovery and shorter time off-work ($p=0.001$) compared to other conservative treatment. The range of motion, rate of complications, the aesthetic outcome and the patients' satisfaction where better for patients treated with platelet gel, however the difference is not significant.

Conclusion: The conservative treatment provides better functional and aesthetic outcome in treating fingertip injuries. The use of Platelet gel in fingertip injuries is associated with decreased time of healing and early return to work.

Key words: Fingertip injuries, conservative, Platelet Gel, Hyaluronic acid.

Biography:

Kareem EL-Shishtawy, graduated from Faculty of Tanta Medicine, Egypt in 2012(MBChB). Finished his Plastic and Reconstructive surgery training in Tanta University hospitals where he got his Master's Degree in Surgery (MSc). Currently working as a Senior Clinical Fellow in Welsh Centre of Burns and Plastic Surgery, Morriston Hospital, Swansea, UK.

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