




 [Current Issue](#) [Browse Issues](#) [Search](#) [About this Journal](#) [Instruction to Authors](#) [Online Submission](#) [Subscription](#) [Contact Us](#) [RSS Feed](#)

Acta Medica Iranica

2009;47(4) : 49-54

Effect Of Pentoxifylline On The Healing Of Guinea Pig Perforated Tympanic Membrane

Sazegar A A, Karimi Yazdi A, Amanpoor S, Doolabi K

Abstract:

Background: Tympanic membrane perforation as a sign of different otologic disorders have multiple causes, for example trauma .Traumatic perforations heal spontaneously in most cases but in large and stable perforation otolaryngologist intervention is necessary . In the stable perforation of tympanic membrane , if there isn't infection in the tympanic cavity , the paper patch or myringoplasty may be used. These procedures need remedy charge and time and may be with morbidity and other complications. Recently materials like hyaluronic acid and epidermal growth factors has been used to speed healing of tympanic membrane perforation, and their effect has been proved. Pentoxifylline an anti-thrombotic drug has positive effect on increasing perfusion and wound healing in pathological conditions. Alike we have used pentoxifylline to show it's effect on the healing of guinea pig perforated tympanic membrane. Materials and Methods: This study has been done prospectively, on 32 guinea pig ears. Results & Conclusion: Final otomicroscopic study after three weeks showing no significant difference in the healing rate of tympanic membrane in pentoxifylline group versus control group.

Keywords:

Guinea pig . pentoxifylline . tympanic membrane perforation

TUMS ID: 1014

Full Text HTML  Full Text PDF  184 kB

top ▲

[Home](#) - [About](#) - [Contact Us](#)

TUMS E. Journals 2004-2009
Central Library & Documents Center
Tehran University of Medical Sciences

Best view with Internet Explorer 6 or Later at 1024*768 Resolutions