

# RUBICON

## FOUNDATION

Search Rubicon

Go

[Advanced Search](#)

[Rubicon Research Repository](#) >  
[Rubicon Foundation Archive](#) >  
[Undersea Biomedical Research Journal](#) >

[Home](#)

### Browse

[Communities & Collections](#)

[Titles](#)

[Authors](#)

[By Date](#)

### Sign on to:

[Receive email updates](#)

[My Rubicon](#)  
authorized users

[Edit Profile](#)

[Help](#)

**Please use this identifier to cite or link to this item:**

<http://archive.rubicon-foundation.org/2802>

**Title:** Hyperbaric oxygen and corneal incision healing

**Authors:** Anderson Jr, FG  
Bay, WW  
Fife, WP

**Keywords:** corneal incision  
eye

**Issue Date:** 1978

**Citation:** Undersea Biomed Res. 1978 Dec;5(4):369-75.

**Abstract:** Corneal incision healing in the presence of daily or twice daily exposures to hyperbaric oxygen was compared in dogs to the natural course of such healing. Exposures lasted for 90 min and consisted of 60 percent oxygen administered at 60 fsw, an oxygen exposure of 2 ATA. Twenty corneas received such exposure, and 20 corneas were allowed to heal under natural conditions. Eyes were enucleated between 5 and 56 days after incision. The corneas were studied by gross observation and light microscopy. Uncomplicated and essentially comparable healing of the incisions occurred. There was a suggestion that superficial central clearing of the incision opacity occurred more quickly in the hyperbaric oxygen series. Animals Cornea/anatomy & histology/physiology/\*surgery Descemet's Membrane/anatomy & histology Dogs Endothelium/anatomy & histology Epithelium/anatomy & histology \*Hyperbaric Oxygenation \*Postoperative Care Time Factors \*Wound Healing

**Description:** Undersea and Hyperbaric Medical Society, Inc. (<http://www.uhms.org> )

**URI:** [PMID: 734804](http://archive.rubicon-foundation.org/2802)  
<http://archive.rubicon-foundation.org/2802>

**Appears in Collections:** [Undersea Biomedical Research Journal](#)

### Files in This Item:

File	Size	Format
734804.pdf	1065Kb	Adobe PDF <a href="#">View/Open</a>

Show full item record

All items in DSpace are protected by copyright, with all rights reserved.

Copyright © 2004-2006 Rubicon Foundation, Inc. - [Feedback](#)