



中华医学会系列杂志

Q K 1 7 3 4 0 6 0

ISSN 1006-4443  
CN 21-1348/R

# 中国实用眼科杂志<sup>®</sup>

ZHONGGUO SHIYONG YANKE ZAZHI

2017年7月 第35卷 第7期

# CHINESE JOURNAL OF PRACTICAL OPHTHALMOLOGY

Volume 35 Number 7

July 2017

中国核心期刊要目总览(GCJC)期刊

中国科技论文统计源(CSTPC)期刊

中国科学引文数据库(CSCD)期刊



中华医学

CHINESE  
MEDICAL  
ASSOCIATION

ISSN 1006-4443



9 771006 444174

07>

# CHINESE JOURNAL OF PRACTICAL OPHTHALMOLOGY

Monthly Established in May 1983 Volume 35, Number 7 July 10, 2017

## Responsible Institution

National Health and Family Planning Commission of the People's Republic of China

## Sponsor

Chinese Medical Association  
42Dongsi Xidajie, Beijing, Beijing 100710, China

China Medical University  
92 North 2nd Road, Heping District  
Shenyang 110001, China

## Editing

Editorial Board of Chinese Journal of Practical Ophthalmology  
155 North Nanjing Street, Shenyang 110001, China  
Tel: 024 - 83282622 Fax: 024 - 83282623  
Email:cjpo@cmu.edu.cn

## Editor-in-Chief

Zhang Zhongzhi(张忠志)

## Managing Director

Zhang Zhongzhi(张忠志)

## Publishing

Chinese Medical Journals Publishing House Co.,Ltd.  
42 Dongsi Xidajie, Beijing 100710, China  
Tel(Fax):0086-10-85158180  
Email:office@cma.org.cn  
Editing Bureau of Chinese Journal of Practical Ophthalmology  
155 North Nanjing Street, Shenyang 110001, China  
Tel: 024 - 83282622 Fax: 024 - 83282623  
Email:cjpo@cmu.edu.cn

## Printing

Liaoning Printing Technology Research Institute

## Oversea Distributor

China Post Group Corporation  
China International Book Trading Corporation  
P.O.Box 399, Beijing, China  
Code:MO6190

## Mail-Order

Editing Bureau of Chinese Journal of Practical Ophthalmology  
155 North Nanjing Street, Shenyang 110001, China  
Tel: 024 - 83282622 Fax: 024 - 83282623

## CSSN

ISSN 1006 - 4443  
CN 21 - 1348/R

Copyright © 2017 by the Chinese Medical Association

No content published by the journals of Chinese Medical Association may be reproduced or abridged without authorization. Please do not use or copy the layout and design of the journals without permission

All articles published represent the opinions of the authors, and do not reflect the official policy of the Chinese Medical Association or the Editorial Board, unless this is clearly specified

## PARTAL CONTENTS IN BRIEF

### Clinical Research

<b>Preliminary analysis of the macular retinal thickness in early stage of type 2 diabetes mellitus and impaired glucose tolerance patients</b>	<b>672</b>
<i>Yan Liang, Wei Li, Jia Lili, Li Wen, Mu Jing, Li Shiwei, Wei Rong</i>	
<b>Relationship between retinal vein occlusion with carotid artery lesions and hemodynamic changes</b>	<b>677</b>
<i>Lin Zhenli, Dou Xiaoyan, Guo Jiang, Chen Jiali, Li Zhenzhou, Wang Jing</i>	
<b>Early experience with the femtosecond laser-assisted cataract surgery</b>	<b>682</b>
<i>Ding Xixia, Zheng Yuxi, Chang Pingjun, Zhao Yun-e</i>	
<b>A case-series study on coreoplasty in severe eye injuries</b>	<b>687</b>
<i>Li Bingzhen, Feng Kang, Ma Zhizhong</i>	
<b>Comparison of corneal curvature and astigmatism measurements in myopia using Sirius Anterior Segment Analysis System and TMS-4 topographer</b>	<b>691</b>
<i>Luo Baogen, Zhang Xiaofeng</i>	
<b>Experience and Realization</b>	
<b>Curative effect analysis of intravitreal Ranibizumab for the treatment of retinopathy of prematurity</b>	<b>718</b>
<i>Liu Mei</i>	
<b>Efficacy observations of 532nm laser curing pre-retinal hemorrhage</b>	<b>722</b>
<i>Chen Fang, Zeng Qiongying</i>	
<b>The application of anterior corneal stromal puncture combined with amniotic membrane patching in corneal diseases</b>	<b>726</b>
<i>Guo Xiaofei, Xiao Fengzhi, Zhang Xiaoli</i>	
<b>The clinical application of Meibomian gland microscopic dilator for the treatment of Meibomian gland obstruction</b>	<b>730</b>
<i>Wu Qingfan, Wu Qian, Hong Manjun</i>	
<b>Clinical manifestations and MRI imaging features of sphenoid ridge meningiomas in the eye</b>	<b>734</b>
<i>Zhao Liyu, Wei Chaobing, Zhao Haifeng, Jiang Xiaochun, Wu Changfan</i>	

®

# 中国实用眼科杂志

CHINESE JOURNAL OF PRACTICAL OPHTHALMOLOGY(CJPO)

月刊 1983年5月创刊 第35卷 第7期 2017年7月10日出版

## 主管

中华人民共和国国家卫生和计划生育委员会

## 主办

中华医学会

100710.北京市东四西大街42号

中国医科大学

110001.沈阳市北二马路92号

## 编辑

中国实用眼科杂志编辑委员会

110001.沈阳市和平区南京北街155号

电话:(024)83282622 传真:(024)83282623

Email:cjpo@cmu.edu.cn

## 总编辑

张忠志

## 编辑部主任

张忠志

## 出版

《中华医学杂志》社有限责任公司

100710,北京市东四西大街42号

电话(传真):(010)85158180

Email:office@cma.org.cn

中国实用眼科杂志编辑部

110001,沈阳市和平区南京北街155号

电话:(024)83282622 传真:(024)83282623

Email:cjpo@cmu.edu.cn

## 广告经营

中国实用眼科杂志广告部

110001,沈阳市和平区南京北街155号

电话:(024)83282622 传真:(024)83282623

Email:cjpo@cmu.edu.cn

## 广告经营许可证

2101001500065号

## 印刷

辽宁省印刷技术研究所

## 发行

范围:公开

国内:中国邮政集团公司

辽宁省邮政报刊发行局

国外:中国国际图书贸易集团有限公司

(北京399信箱,100044) 代号:MO6190

## 订购

全国各地邮政局

邮发代号8-169

## 邮购

中国实用眼科杂志编辑部

110001,沈阳市和平区南京北街155号

电话:(024)83282622 传真:(024)83282623

## 定价

每期10.00元,全年120元

## 中国标准连续出版物号

ISSN 1006-4443

CN 21-1348/R

2017年版权归中华医学学会所有  
未经授权,不得转载、摘编本刊文  
章,不得使用本刊的版式设计

本刊刊出的所有文章不代表中华医  
学会和本刊编委会的观点,除非特别  
声明。本刊如有印装质量问题,请向本  
刊编辑部调换

## 目 次

### 专题笔谈

- Leber's 遗传性视神经病变的基因治疗进展 ..... 659  
李梦洋 曲进锋

- Leber 先天性黑朦分子遗传研究进展 ..... 663  
王诗园 赵培泉

- 翼状胬肉动物模型及相关机制研究进展 ..... 668  
孙亚杰 林婷婷 何彦津

### 临床研究

- 2型糖尿病早期和糖耐量受损患者眼黄斑部视网膜厚度分析 ..... 672  
严良 魏丽 贾丽丽 李雯 穆晶 李世玮 魏蓉

- 视网膜静脉阻塞与颈动脉病变及血流动力学相关性研究 ..... 677  
林贞丽 宋晓燕 郭疆 陈伽俐 李振洲 王晶

- 飞秒激光辅助白内障手术早期学习曲线探索 ..... 682  
丁锡霞 郑宇曦 常平骏 赵云娥

- 严重眼外伤中瞳孔成形手术的病例研究 ..... 687  
李炳震 封康 马志中

- Sirius 眼前节分析仪与TMS-4 角膜地形图仪测量角膜曲率及  
角膜散光比较 ..... 691  
罗保根 张晓峰

- 过敏性结膜炎128例临床分析 ..... 695  
周玉梅 王应利 靳扬扬 李献娜 刘玉平 王振

- 关于斜视手术中角膜保护对眼表影响的研究 ..... 700  
潘美华 杨梅 谢仁艺 何欢 王海燕 林晓滨

- 新型泪道置管术治疗成人泪道阻塞疗效观察 ..... 704  
周少博 谭娟 郭宇燕 莫松深

- ICL V4与ICL V4c治疗高度近视临床对比研究 ..... 708  
赵晓金 朴勇虎 吕素景 李彩红 丁相奇 赵宏

- 高度近视患者ICL及Artisan PIOL植入后生存质量研究 ..... 713  
钱道卫 张洪洋 牛勇毅 廖燕秋 郭海科

## 经验体会

玻璃体腔注射雷珠单抗治疗早产儿视网膜病变疗效分析	718
刘梅	
532nm激光治疗视网膜前出血疗效观察	722
陈芳 曾琼英	
角膜浅基质穿刺联合羊膜遮盖术在角膜病变中应用	726
郭晓飞 肖凤枝 张小利	
睑板腺口显微扩张器治疗睑板腺口阻塞应用分析	730
吴庆藩 吴倩 洪曼君	
蝶骨嵴脑膜瘤在眼部临床表现及MRI成像特征	734
赵立宇 韦超兵 赵海峰 江晓春 吴昌凡	
外伤性眼内炎44例临床观察	738
田超伟 王雨生 胡丹 宋国睿 李璐希	
眼轮匝肌切除联合睑板下缘固定术治疗先天性下睑内翻效果观察	743
高丽涛 范瑞 李雪 金福录 张军	

## 基础研究

结膜松弛症中胶原蛋白的初步研究	745
陈星星 项敏泓 周欢明 张薇 贾元玲 李青松 干静云 张兴儒	

## 病例报告

Behcet病合并结核性脑膜炎一例	750
鲁志卿 安美霞 许汉春 刘祎 刘毓 叶琳 轩亚玲 王丽莉	

## 读者·作者·编者

本刊对论著摘要的书写要求(667);关于来稿中基金项目的标注方法(707);关于关键词标引的要求(712);本刊对来稿题名的要求(717);对来稿中统计学处理要求(721);关于论文中表格的制作要求(729);中华医学会系列杂志论文使用数字对象唯一标识符DOI(751)

## ·简讯·

《中国实用眼科杂志》投稿方式说明	676
关于落实中央发表学术论文“五不准”要求的通知	737

中国实用眼科杂志编委会名录	699
---------------	-----

中国实用眼科杂志稿约	752
------------	-----

# CHINESE JOURNAL OF PRACTICAL OPHTHALMOLOGY

Monthly Established in May 1983 Volume 35, Number 7 July 10, 2017

## Responsible Institution

National Health and Family Planning Commission of the People's Republic of China

## Sponsor

Chinese Medical Association  
42Dongsi Xidajie, Beijing, Beijing 100710, China

China Medical University  
92 North 2nd Road, Heping District  
Shenyang 110001, China

## Editing

Editorial Board of Chinese Journal of Practical Ophthalmology  
155 North Nanjing Street, Shenyang 110001, China  
Tel: 024 - 83282622 Fax: 024 - 83282623  
Email:cjpo@cmu.edu.cn

## Editor-in-Chief

Zhang Zhongzhi(张忠志)

## Managing Director

Zhang Zhongzhi(张忠志)

## Publishing

Chinese Medical Journals Publishing House Co.,Ltd.  
42 Dongsi Xidajie, Beijing 100710, China  
Tel(Fax):0086-10-85158180  
Email:office@cma.org.cn  
Editing Bureau of Chinese Journal of Practical Ophthalmology  
155 North Nanjing Street, Shenyang 110001, China  
Tel: 024 - 83282622 Fax: 024 - 83282623  
Email:cjpo@cmu.edu.cn

## Printing

Liaoning Printing Technology Research Institute

## Oversea Distributor

China Post Group Corporation  
China International Book Trading Corporation  
P.O.Box 399, Beijing, China  
Code:MO6190

## Mail-Order

Editing Bureau of Chinese Journal of Practical Ophthalmology  
155 North Nanjing Street, Shenyang 110001, China  
Tel: 024 - 83282622 Fax: 024 - 83282623

## CSSN

ISSN 1006 - 4443  
CN 21 - 1348/R

Copyright © 2017 by the Chinese Medical Association

No content published by the journals of Chinese Medical Association may be reproduced or abridged without authorization. Please do not use or copy the layout and design of the journals without permission

All articles published represent the opinions of the authors, and do not reflect the official policy of the Chinese Medical Association or the Editorial Board, unless this is clearly specified

## PARTAL CONTENTS IN BRIEF

### Clinical Research

<b>Preliminary analysis of the macular retinal thickness in early stage of type 2 diabetes mellitus and impaired glucose tolerance patients</b>	<b>672</b>
<i>Yan Liang, Wei Li, Jia Lili, Li Wen, Mu Jing, Li Shiwei, Wei Rong</i>	
<b>Relationship between retinal vein occlusion with carotid artery lesions and hemodynamic changes</b>	<b>677</b>
<i>Lin Zhenli, Dou Xiaoyan, Guo Jiang, Chen Jiali, Li Zhenzhou, Wang Jing</i>	
<b>Early experience with the femtosecond laser-assisted cataract surgery</b>	<b>682</b>
<i>Ding Xixia, Zheng Yuxi, Chang Pingjun, Zhao Yun-e</i>	
<b>A case-series study on coreoplasty in severe eye injuries</b>	<b>687</b>
<i>Li Bingzhen, Feng Kang, Ma Zhizhong</i>	
<b>Comparison of corneal curvature and astigmatism measurements in myopia using Sirius Anterior Segment Analysis System and TMS-4 topographer</b>	<b>691</b>
<i>Luo Baogen, Zhang Xiaofeng</i>	
<b>Experience and Realization</b>	
<b>Curative effect analysis of intravitreal Ranibizumab for the treatment of retinopathy of prematurity</b>	<b>718</b>
<i>Liu Mei</i>	
<b>Efficacy observations of 532nm laser curing pre-retinal hemorrhage</b>	<b>722</b>
<i>Chen Fang, Zeng Qiongying</i>	
<b>The application of anterior corneal stromal puncture combined with amniotic membrane patching in corneal diseases</b>	<b>726</b>
<i>Guo Xiaofei, Xiao Fengzhi, Zhang Xiaoli</i>	
<b>The clinical application of Meibomian gland microscopic dilator for the treatment of Meibomian gland obstruction</b>	<b>730</b>
<i>Wu Qingfan, Wu Qian, Hong Manjun</i>	
<b>Clinical manifestations and MRI imaging features of sphenoid ridge meningiomas in the eye</b>	<b>734</b>
<i>Zhao Liyu, Wei Chaobing, Zhao Haifeng, Jiang Xiaochun, Wu Changfan</i>	