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# ClinicalKey助益医疗、科研、教学

Presented By  
Date

**Elsevier**医学部

# Agenda

- 了解爱思唯尔
- ClinicalKey 助力临床、科研及教学
- 在线使用ClinicalKey
- Q&A

# 爱思唯尔 ( ELSEVIER)



Tree of Life—出版者  
Grapevine—科研成果  
A Sage —科技工作者

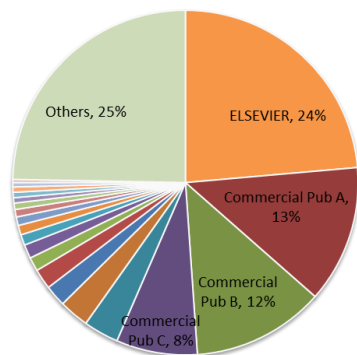


## ELSEVIER



Non Solus —“Not alone”  
出版者与科技工作者互相支持，  
共同创造并传播科研成果

# 爱思唯尔——全球领先的医学科技出版商



- 2,000多种期刊：如 The Lancet, Cell
- 2,000多种图书：如 Gray's Anatomy, Cecil Medicine
- 67个领域：期刊排名第一
- 24%：SCI医学论文全球占比近四分之一
- 100年：被 SLA 评为“百年来最有影响力的生物医学和生命科学出版商”

# 庞大医学图书馆带在身边

# 全球资源最丰富全医学平台

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✓ 1,105 reference books 参考书	✓ 850+ First Consult monographs 循证专论
✓ 690 medical journals 医学期刊	✓ 3,000+ drug monographs 药物专论
✓ 30,000+ medical / surgical videos 内外科视频	✓ 5,000+ practice guidelines 诊疗指南
✓ 300+ Procedures Consult videos 操作视频	✓ 15,000+ patient education handouts 患者教育
✓ Over 3.0 million images 影像图片	✓ Over 160,000 ClinicalTrials.gov 临床试验
✓ 1,400+ Topic disease 疾病主题	✓ Fully indexed MEDLINE 期刊文摘

# 随时随地快速解决问题： 门诊夜班间隙，查房途中...



- 适用各种终端
- 允许远程访问

## 坚实有力的帮助

医疗

- 提升医疗安全
- 减少不必要会诊
- 缩短住院日
- 减少医疗事故
- 规范有效的医患沟通

科研

- 提升科研水平
- 提高科研产出和质量

教学

- 保证教学水平
- 锻炼提高临床操作水平



# www.ClinicalKey.com

ClinicalKey®

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## Lead with answers.

### 检索

[所有类型](#)

### 浏览

[图书](#) [期刊](#) [药物专论](#) [临床指南](#) [患者教育](#) [多媒体](#) [操作视频](#)

**推荐使用浏览器：Firefox, Google Chrome, Safari , IE8以上。  
CK 2.0适配移动终端**

**ELSEVIER**

# 全面助力医疗

# 最新权威的循证医学

 循证医学疾病主题:

**850 FIRST CONSULT + 1400 DISEASE TOPICS**

 GUIDELINE 诊疗指南:

**270+ 欧美专业学会、协会（超过5000篇最新）**

 CLINICS OF NORTH AMERICA北美临床系列期刊

**50多种期刊，涵盖30多个学科，业内权威专家针对特定临床问题的系列综述**

# 权威循证医学

## 涵盖全部临床专科的权威指南和循证医学，确保医疗规范安全

### ClinicalKey®

All hepatitis B

More Results

Ferri's Clinical Advisor 2015 First Consult



### Hepatitis B

- Definition
- Genetics
- Etiology
- Diagnosis
- Differential Diagnosis
- Imaging Studies
- Treatment

### Definition

Hepatitis B is an acute infection of the liver parenchymal cells caused by the hepatitis B virus (HBV).

### ClinicalKey®

All hepatitis B

Filter By: Source Type Study Type Specialties Date

<input type="checkbox"/>	MEDLINE Abstracts	12690
<input type="checkbox"/>	Full Text Articles	7698
<input type="checkbox"/>	Books	2044
<input type="checkbox"/>	Images	1631
<input type="checkbox"/>	Clinical Trials	746
<input type="checkbox"/>	Patient Education	89
<input type="checkbox"/>	First Consult	42
<input type="checkbox"/>	Guidelines	28
<input type="checkbox"/>	Drug Monographs	13
<input type="checkbox"/>	Videos	

### ClinicalKey®

All hepatitis B

Filter By: Source Type Study Type Specialties Date

<input type="checkbox"/>	24964 results
<input checked="" type="checkbox"/>	Subscribed Content
<b>FIRST CONSULT</b>	
<b>Viral hepatitis B and D</b>	
William Carey, MD; Bhupinder Anand, MD; Georg Lauer, MD; Stephen D. Sisson, MD. Published February 14, 2012. Last updated February 13, 2012.	
<b>MEDLINE</b>	
<b>New loci associated with chronic hepatitis B virus infection in Han Chinese.</b>	
Nature genetics.	
Hu, Zhibin; Liu, Yao; Zhai, Xiangjun... Show all. Published December 2, 2013.	

<input type="checkbox"/>	Last 6 months	1756
<input type="checkbox"/>	Last 12 months	2936
<input type="checkbox"/>	Last 18 months	4739
<input type="checkbox"/>	Last 2 years	5654
<input type="checkbox"/>	Last 5 years	12545

# 以症状入手-提供全面准确的诊疗思路防止漏诊误诊

ClinicalKey® 检索 浏览

所有类型 单侧眼睑下垂 咀嚼提升

366 结果 排序按照：相关性

资源类型

- 期刊全文 205
- 仅全文
- 全文和MEDLINE文摘
- Systematic Reviews 3
- Randomized Control Trials 2
- Narrative Reviews 95
- 图书 65
- 临床指南 7
- 图片 6
- 患者教育 3
- 临床试验 2
- 操作视频 2
- 视频 2

CHAPTER EXCERPT

**Marcus Gunn jaw-winking syndrome**

Blepharoptosis > Differential Diagnosis > Congenital Ptosis

The jaw-winking synkinetic ptosis of the ptotic eye

Ophthalmology

Custer, Philip L. 出

CHAPTER EXCERPT

**Ptosis**

Abnormalities of t

In blepharoptosi usually a result c fibers are replao

Nelson Textbook of Oltsky, Scott E. H

期刊全文

Marcus Gunn Phenomenon

艾格尼兹 MD和Filipa Almeida MD

Journal of Pediatrics, The, 2017-09-01, 卷号188, 页码302-302, 版权©2017 Elsevier Inc.

一名1个月大的男孩出现左侧上睑下垂。他的母亲报告说，出生后几天内检测到眼睑下垂。这个孩子是非血缘父母的产物，他在正常怀孕后出生，足月剖宫产，没有创伤史。在体检中，当婴儿吸入奶嘴时，该婴儿显示出左眼睑的节律性抬高。每次吮吸后，上眼睑完全升高，并恢复到吮吸之间的轻度致密对齐，其他正常的身体和神经检查结果（[视频1](#)和2以及[图](#)；[视频](#)可在[www.jpeds.com](http://www.jpeds.com)上找到）。Marcus Gunn现象（MGP）被诊断出来，病人被转诊给眼科医生。

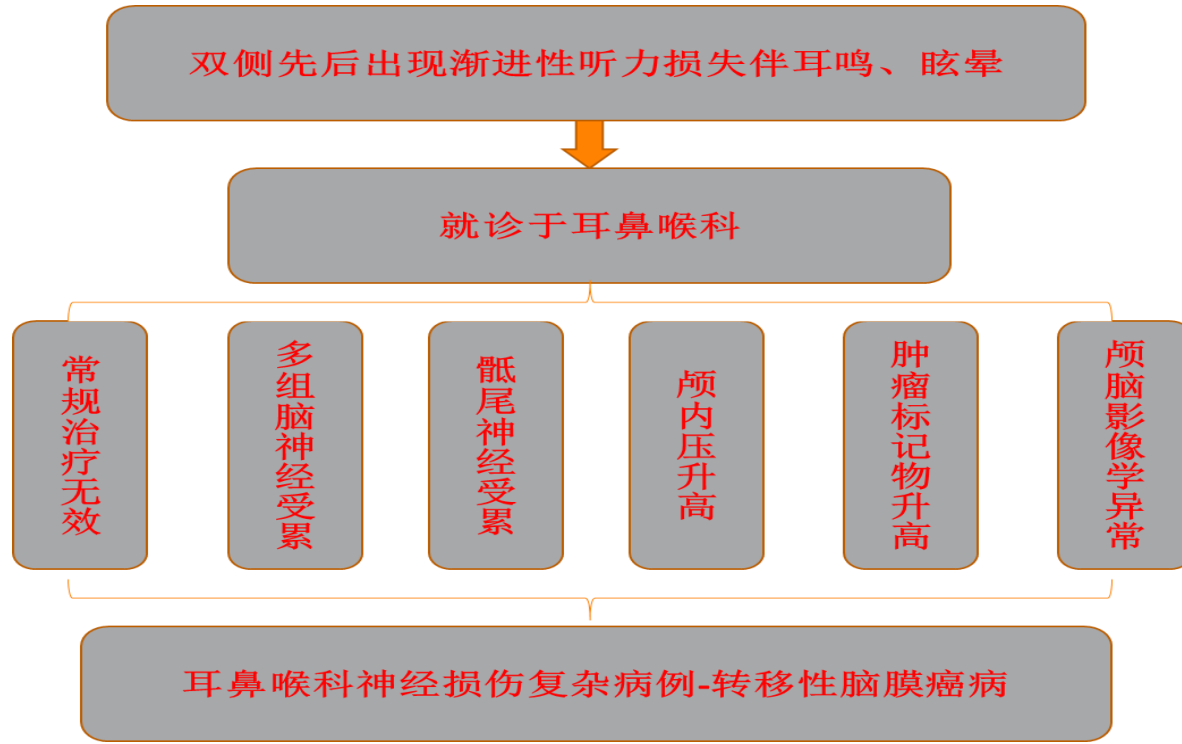
以“症状”检索，可得到诊断建议：输入“单侧眼睑下垂 咀嚼提升”，ClinicalKey会给出最相关的答案。



**神经内科、耳鼻咽喉头颈外科  
中国人民解放军总医院**

**诊断——复杂疑难病例**

# 临床诊疗实例



- 全院大会诊：再次腰穿查脑脊液细胞分类、腹部增强MRI查找原发灶、腰骶段MRI及四肢电生理。
- 随访：患者出院后未行进一步检查治疗，发病后5个月死亡。

# 对于医学逻辑思路的帮助

## PubMed结果，关联度不高

PubMed | hearing loss meningeal | Create RSS | Create alert | Advanced

Summary ▾ 20 per page ▾ Sort by Most Recent ▾ Send to: ▾

**Search results**  
Items: 1 to 20 of 301

<< First < Prev Page 1 of 16 Next > Last >>

- [Cochlear Implantation in Neurobrucellosis.](#)
  1. Bajjn MD, Savaş Ö, Aslan F, Sennaroğlu L. Balkan Med J. 2016 Jan;33(1):108-11. doi: 10.5152/balkanmedj.2015.15544. Epub 2016 Jan 1. PMID: 26966626 [Free PMC Article](#) [Similar articles](#)
- [High rate of bilaterality in internal auditory canal metastases.](#)
  2. Chang MT, Michaelides EM. Am J Otolaryngol. 2015 Nov-Dec;36(6):798-804. doi: 10.1016/j.amjoto.2015.06.002. Epub 2015 Jun 10. PMID: 26545474 [Similar articles](#)
- [\[Hypertrophic pachymeningitis secondary to IgG4-related disease: case report and review of the literature\].](#)
  3. Rodríguez-Castro E, Fernández-Lebrero A, López-Dequidt IA, Rodríguez-Osorio X, López-González FJ, Suárez-Peñaranda JM, Arias M. Rev Neurol. 2015 Oct 1;61(7):308-12. Spanish. PMID: 26411275 [Free Article](#) [Similar articles](#)
- [Bevacizumab treatment for vestibular schwannoma in a patient with neurofibromatosis type 2: hearing improvement and tumor shrinkage.](#)
  4. Spongini AP, Platini F, Rondonotti D, Soffietti R.

## Google结果数量庞大无序，目前大陆？

Google | hearing loss meningeal

All Images News Videos Maps More ▾ Search tools

About 142,000 results (0.40 seconds)

- [Bilateral profound hearing loss due to meningeal ... - NCBI](#)  
[www.ncbi.nlm.nih.gov/pubmed/15851093](http://www.ncbi.nlm.nih.gov/pubmed/15851093) ▾  
by M Wagemakers - 2005 - Cited by 19 - [Related articles](#)  
J Clin Neurosci. 2005 Apr;12(3):315-8. Bilateral profound hearing loss due to meningeal carcinomatosis. Wagemakers M(1), Verhagen W, Borne Bv, Venderink ...
- [Sudden bilateral sensorineural hearing loss as the ... - NCBI](#)  
[www.ncbi.nlm.nih.gov/pubmed/20496139](http://www.ncbi.nlm.nih.gov/pubmed/20496139)  
by T Ohno - 2010 - Cited by 15 - [Related articles](#)  
May 23, 2010 - Sudden bilateral sensorineural hearing loss as the presenting symptom of meningeal carcinomatosis of gastric cancer: report of a case.
- [Meningeal carcinomatosis producing bilateral sudden ...](#)  
[www.ncbi.nlm.nih.gov/pubmed/1415503](http://www.ncbi.nlm.nih.gov/pubmed/1415503)  
by F Civantos - 1992 - Cited by 31 - [Related articles](#)  
Am J Otol. 1992 Jul;13(4):369-71. Meningeal carcinomatosis producing bilateral sudden hearing loss: a case report. Civantos F(1), Choi YS, Applebaum EL.
- [Meningeal carcinomatosis manifested as bilateral ... - NCBI](#)  
[www.ncbi.nlm.nih.gov/pubmed/10912696](http://www.ncbi.nlm.nih.gov/pubmed/10912696) ▾  
by TY Shen - 2000 - Cited by 14 - [Related articles](#)  
Am J Otol. 2000 Jul;21(4):510-2. Meningeal carcinomatosis manifested as bilateral progressive sensorineural hearing loss. Shen TY(1), Young YH.
- [Bilateral profound hearing loss due to meningeal ...](#)



# 权威全面的医学支持软件

像临床医生一样思考问题：

1. 按临床逻辑关联性强弱显示结果：依次为脑膜癌病、自身免疫病、脑炎、Bahcet综合征、脑膜炎、系统性疾病等，为临床提供清晰诊断思路
2. 检索获得600多条结果：包括书籍、杂志、药品专论、权威指南、患者教育等多层次多角度临床专业知识，无冗余信息干扰
3. 资源种类多样，包括各种直观图片、视频资料，并可以直接制作ppt后导出

## ClinicalKey®

The screenshot displays the ClinicalKey search results page for the query "hearing loss meningeal". The search bar at the top shows the query and the number of results, "626 结果", which is circled in orange with an arrow pointing to it. The results are filtered by "相关性" (Relevance). The first result is a journal article titled "Sudden onset sensorineural hearing loss caused by meningeal carcinomatosis secondary to occult..." from the journal "Auris Nasus Larynx". Below the title is a figure showing two audiograms, labeled (A) and (B), with a caption explaining the symbols used. The second result is another article with a similar title, accompanied by two small images of the head and neck area.

所有类型  图书 期刊 更多 工具

过滤依据： 626 结果 排序按照：相关性

资源类型  期刊全文 501  
 Full Text Only  
 Full text and MEDLINE  
 Systematic Reviews 4  
 Meta-analyses 2  
 Randomized Control Trials 3  
 Narrative Reviews 203  
 图书 113  
 图片 4  
 临床指南 4  
 循证医学专论 3  
 临床试验 1  
 操作视频 1  
 视频 1

期刊全文  
**Sudden onset sensorineural hearing loss caused by meningeal carcinomatosis secondary to occult...**  
Auris Nasus Larynx.  
Marchese, Maria Raffaella; La Greca, Carmelo... 显示全部。出版 August 1, 2010. Volume 37, Issue 4. 页 515-518. © 2009.

图片  
**Sudden onset sensorineural hearing loss caused by meningeal carcinomatosis secondary to occult...**  
Fig. 3: Audiogram recorded at the beginning of the symptoms (A) and 2 months later (B) (symbols: circle : right ear air-conduction; open tip of the arrow to the right : right ear bone-conduction; square with little arrow : masked left ear air-conduction, ... 更多  
Auris Nasus Larynx.  
Marchese, Maria Raffaella; La Greca, Carmelo... 显示全部。出版 August 1, 2010. Volume 37, Issue 4. 页 515-518. © 2009.

图片  
**Sudden onset sensorineural hearing loss caused by meningeal carcinomatosis...**

添加到幻灯片

# 殊途同归：多种检索词组合指向高度一致

## ClinicalKey®

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过滤依据：(7)

1 结果 排序按照：相关性

期刊全文

**Sudden onset sensorineural hearing loss caused by meningeal carcinomatosis secondary to occult...**

Auris Nasus Larynx.  
Marchese, Maria Raffaella; La Greca, Carmelo... 显示全部。出版 August 1, 2010. Volume 37, Issue 4. 页 515-518. © 2009.

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过滤依据：资源类型 研究类型 专科 日期

759 结果 Show: 已订阅内容 排序按照：相关性

MEDLINE®

**Bilateral profound hearing loss due to meningeal carcinomatosis.**

Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia.  
Wagemakers, Michiel; Verhagen, Wim... 显示全部。出版 April 1, 2005.

MEDLINE®

**Sudden bilateral profound hearing loss resulting from meningeal carcinomatosis.**

Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery.  
Houck, J R; Murphy, K. 出版 January 1, 1992.

## ClinicalKey®

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过滤依据：资源类型 研究类型 专科 日期

1131 结果 Show: 已订阅内容 排序按照：相关性

期刊全文

**Sudden onset sensorineural hearing loss caused by meningeal carcinomatosis secondary to occult malignancy: Report of two cases**

Auris Nasus Larynx.  
Marchese, Maria Raffaella; La Greca, Carmelo... 显示全部。出版 August 1, 2010. Volume 37, Issue 4. 页 515-518. © 2009.

## ClinicalKey®

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过滤依据：Neurology 1, Otolaryngology 1, 已订阅内容

2 结果 排序按照：相关性

期刊全文

**Sudden onset sensorineural hearing loss caused by meningeal carcinomatosis secondary to occult...**

Auris Nasus Larynx.  
Marchese, Maria Raffaella; La Greca, Carmelo... 显示全部。出版 August 1, 2010. Volume 37, Issue 4. 页 515-518. © 2009.

期刊全文

**Intracranial neuroenteric cysts: A concise review including an illustrative patient**

Journal of Clinical Neuroscience.  
Gauden, Andrew J.; Khurana, Vini G... 显示全部。出版 March 1, 2012. Volume 19, Issue 3. 页 352-359. © 2011.

# 专家团助手 随时上网查询

所有类型  图书 期刊 更多 工具

2317 结果 排序按照: 相关性

图书

**Randomized Trials of SRS With or Without WBRT**  
Brain Metastases and Neoplastic Meningitis > ... > Treatment > Stereotactic Radiosurgery  
The first prospective randomized trial comparing SRS alone (n = 67) to WBRT plus SRS (n = 67) was reported by Aoyama et al. Patients with KPS ≥70 and one to four brain metastases < 3 cm were accrued between 1999-2003 at 11 institutions. The WBRT...

Abeloff's Clinical Oncology.  
Sneed, Penny K.; Kased, Norbert; Rubenstein, James L. 出版 January 1, 2014. © 2014.

图书

**Summary of Key Points**  
Brain Metastases and Neoplastic Meningitis

Central nervous system metastases are common, affecting as many as 25% of patients with cancer. Most central nervous system metastases involve the brain. Less often, the dura, leptomeninges, skull base, or cranial nerves may be affected. The terms "neopl..."

Abeloff's Clinical Oncology.  
Sneed, Penny K.; Kased, Norbert; Rubenstein, James L. 出版 January 1, 2014. © 2014.

图书

**Neoplastic Polyradiculoneuropathy (Neoplastic Meningitis)**  
Disorders of Nerve Roots and Plexuses > Disorders of Nerve Roots

Abeloff's Clinical Oncology | Brain Metastases and Neoplastic Meningitis

**Neoplastic Meningitis** 顶部 图书

**Neoplastic Meningitis**

Dissemination of cancer cells into the leptomeningeal space is an extremely serious complication that affects approximately 5% to 10% of patients with cancer. With incremental improvements in outcomes in systemic cancer, the incidence of metastatic disease to the leptomeninges appears to be on the rise. Neoplastic meningitis presents significant diagnostic and therapeutic challenges; early diagnosis can be elusive, and effective control for leptomeningeal carcinoma is usually difficult to achieve. With current therapies, the median survival time is 3 to 6 months.

**Epidemiology**

Virtually any type of cancer can disseminate into the leptomeningeal space. Acute leukemias and intermediate or high-grade lymphomas are common causes of neoplastic meningitis. Among solid tumors, melanoma and small cell carcinoma exhibit the strongest propensity for leptomeningeal dissemination, with this complication developing in up to 25% of patients with metastatic disease from these diagnoses. Ultimately, carcinomatous meningitis develops in between 2% to 5% of patients with breast cancer. Leptomeningeal dissemination has also been documented in less common neoplasms such as sarcomas, squamous cell carcinomas, and germ cell tumors. Primary tumors of the central nervous system such as medulloblastoma or ependymoma often seed the leptomeningeal space as well. 172 173 174 175 176

**Pathophysiology**

The biological basis for dissemination and multifocal seeding of the leptomeninges by malignant cells is not well understood. Several distinct pathways have been proposed: (1) The most obvious pathway for leptomeningeal contamination is as a consequence of drop metastases that may occur during resection of metastatic foci within

ClinicalKey®

Drugs

Filter By: Source Type

Drug Monograph

1 results

Subscribed Content

**DRUG MONOGRAPH**

**Thiotepa**

Gold Standard. Published December 22, 2011.

ClinicalKey®

Clinical Trials

**CLINICAL TRIAL**

**Phase II Study of the Combination of High-Dose Methotrexate and Intrathecal Liposomal Cytarabine in Patients With Leptomeningeal Metastases With or Without Parenchymal Brain Involvement**

Published November 7, 2014. Conditions: Central Nervous System Metastases; Leptomeningeal Metastases; Recurrent Breast Cancer; Stage IV Breast Cancer; Tumors Metastatic to Brain. Interventions: Drug: methotrexate; Drug: liposomal cytarabine; Other: quality-of-life assessment; Other: laboratory biomarker analysis.

**CLINICAL TRIAL**

**Clinical and Pharmacological Study With 2B3-101 in Patients With Breast Cancer and Leptomeningeal Metastases**

Published October 28, 2013. Conditions: Meningeal Carcinomatosis. Interventions: Drug: 2B3-101.

**CLINICAL TRIAL**

**A Pilot Study of Systemically Administered Bevacizumab in Patients With Neoplastic Meningitis (NM)**

Published December 1, 2014. Conditions: Neoplastic Meningitis. Interventions: Drug: Bevacizumab.

ClinicalKey®

Procedures

3 results

Subscribed Content

**PROCEDURES CONSULT**

**Lumbar Puncture**

Morris Rivera. Published January 10, 2012.

**PROCEDURES CONSULT**

**Lumbar Puncture**

Morris Rivera. Published January 10, 2012.

**PROCEDURES CONSULT**

**Lumbar Puncture (Family Medicine)**

Michael L. Tuggy. Published January 10, 2012.

# CK诊断疑难病例极其强大



中华老年医学杂志 2015年7月第34卷第7期 Chin J Geriatr, July 2015, Vol. 34, No. 7

809

·讲座·

## 临床数据库软件在临床病例诊治中的应用

康琳 赵晶 赵飞帆 王大勇

【关键词】数据库；病例管理

Application of medical software in diagnosis and treatment for a clinical case Kang Lin, Zhao Jing, Zhao Feifan, Wang Dayong. Department of Geriatrics, Chinese Academy of Medical Sciences & Peking Union Medical College Hospital, Beijing 100005, China  
Corresponding author: Kang Lin, Email: kanglin\_66@126.com

【Key words】 Database; Case management

临床医生面对铺天盖地的数据库和医学软件,如何快速得到对自己最有帮助的医学知识和信息,我们以某一个具体临床病例为例,介绍在诊疗过程中应用多种医学软件辅助分析,通过观察不同软件的功能特点,帮助大家更好地利用身边的数字网络资源,从而提升医疗安全规范,提升自身医疗水平。

### 一、临床病例描述

患者,男性,55岁,河北人。现病史:2012年2月无明显诱因开始出现右耳渐进性听力下降伴头晕,既往糖尿病史。当地二级甲等中医院按糖尿病周围神经病变给予银杏叶提取物注射液、前列地尔等药物,并辅以高压氧治疗,治疗过程中上述症状进一步加重至右耳听力完全丧失,同时出现左耳渐进性听力下降,4月出现嗅觉减退及口角歪斜,左侧闭口不全等左侧周围性面瘫症状,患者转入当地三级甲等医院继续静脉给予前列地尔、巴曲酶等药物治疗,听力损失继续加重至双耳全聋,嗅觉丧失,头晕,走路不稳加重,轻度嗜睡,咯声嘶,偶有饮水呛咳,无复视、无呼吸困难及吞咽困难,无言语不能等。5月转入我院耳鼻喉头颈外科治疗,诊疗经过:查体发现多组脑神经(I、Ⅱ、Ⅲ、Ⅴ、Ⅵ、Ⅷ、Ⅸ、Ⅹ)受累,基底神经受累(小便无力,膝区及会阴区痛觉减退),颅增强扫描(2012年4月及5月2次检查)

均显示额部、颞部软脑膜异常强化;腹部CT(2012年4月)未见明显异常;血常规及生化结果(2012年5月)未见明显异常,血肿瘤标记物糖抗原(CA)19-9(2012年4月)为120 U/ml(血清正常值小于37 U/ml);腰穿(2012年5月)提示颅内压初压增高达295 mmHg(正常值70~200 mmHg),1 mmHg=0.098 kPa);脑脊液常规:细胞总数 $54 \times 10^6/L$ ,白细胞数 $35 \times 10^6/L$ ,蛋白定性(+);脑脊液生化:脑脊液蛋白1436.9 mg/L(正常值150~400 mg/L),脑脊液细胞分类未见肿瘤细胞,脑脊液肿瘤标记物检测癌胚抗原高达119.60  $\mu g/L$ (血清正常值小于2.5  $\mu g/L$ ),CA19-9(2012年5月)高达6353 U/ml,复查血肿瘤标记物CA19-9(2012年5月)为207.1 U/ml;全身正电子发射计算机断层显像(PET-CT)(2012年5月)未见明显高代谢灶,治疗以营养神经及降颅内压为主,无明显疗效。经多次全院多学科会诊,高度怀疑原发灶隐匿的软脑膜转移或脑膜癌病,建议多次腰穿查找肿瘤细胞,进行腹部MRI及胃镜检查找原发灶,并进行四肢电生理检查。2012年5月26日患者要求出院,拒绝进一步检查及治疗,随访该患者于7月中旬死亡。

### 二、软件应用

我们应用3种常用的临床支持软件 PubMed, Up To Date(UTD), Clinical Key(CK)分别进行了不同组合的搜索,搜索词包括如下,(1)针对该病例早期阳性异常症状或检查结果:双侧耳聋(bilateral hearing loss)、脑膜异常(meningeal abnormality),CA19-9升高、外周神经系统受累(peripheral involvement),检索词包括“bilateral hearing loss perineural involvement and meningeal abnormality”“bilateral hearing loss meningeal abnormality”,“bilateral hearing loss elevated CA19-9”;(2)以“leptomeningeal metastases elevated CA19-9”、“meningeal carcinomatosis

DOI:10.3760/j.issn.0254-9026.2015.07.022

作者单位:100005 中国医学科学院 北京协和医院老年医学科(康琳);第二军医大学附属(赵晶);解放军总医院耳鼻喉科(赵飞帆,王大勇)

通信作者:康琳,Email:kanglin\_66@126.com

**整形外科**  
**中国医学科学院北京协和医院**

**治疗——复杂疑难病例**

# Case Scenario-Photos



# ClinicalKey 搜索问题

All ▾ nasal reconstruction



Filter By: Source Type ▾ Study Type ▾ Specialties ▾ Date ▾

1992 results

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## BOOK CHAPTER

### Aesthetic nasal reconstruction

Plastic Surgery.

Menick, Frederick J.. Published January 1, 2013. Pages 134-186.e3. © 2013.

## MEDLINE

### Practical details of nasal reconstruction.

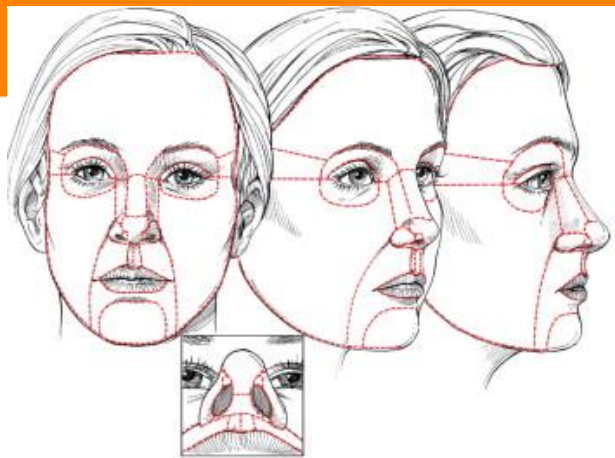
Plastic and reconstructive surgery.

Menick, Frederick J. Published April 1, 2013.

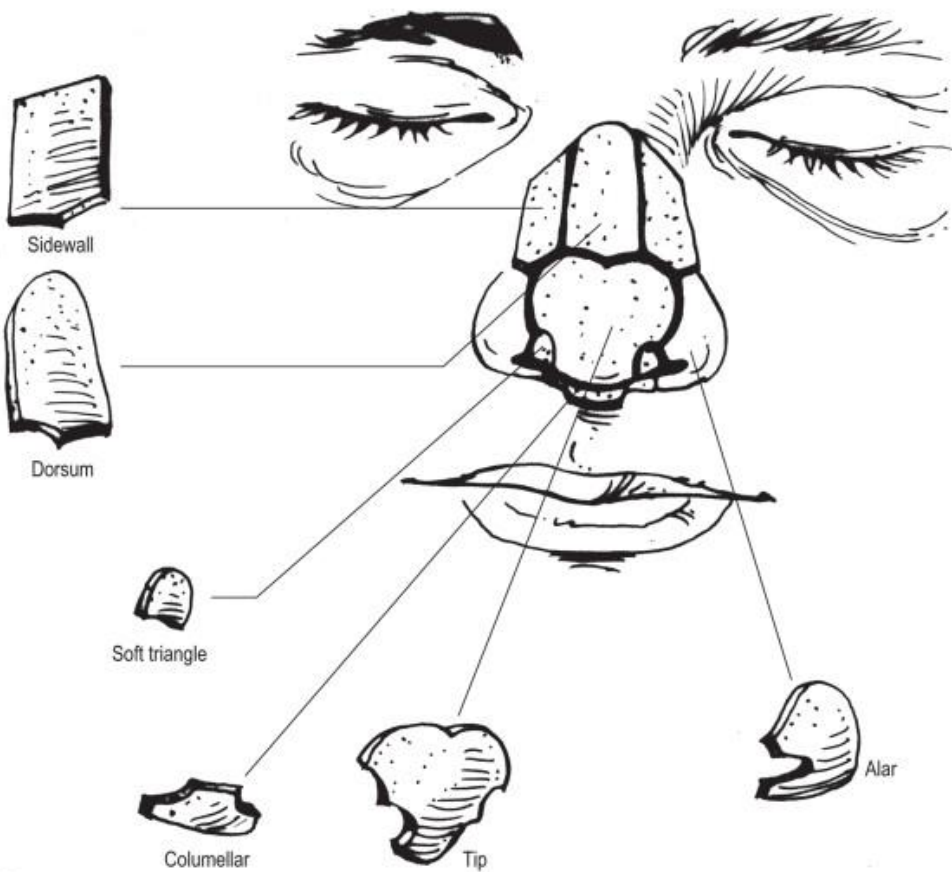
## A Modern Approach to Nasal Reconstruction with a Forehead Flap

Nasal Reconstruction: Art and Practice.

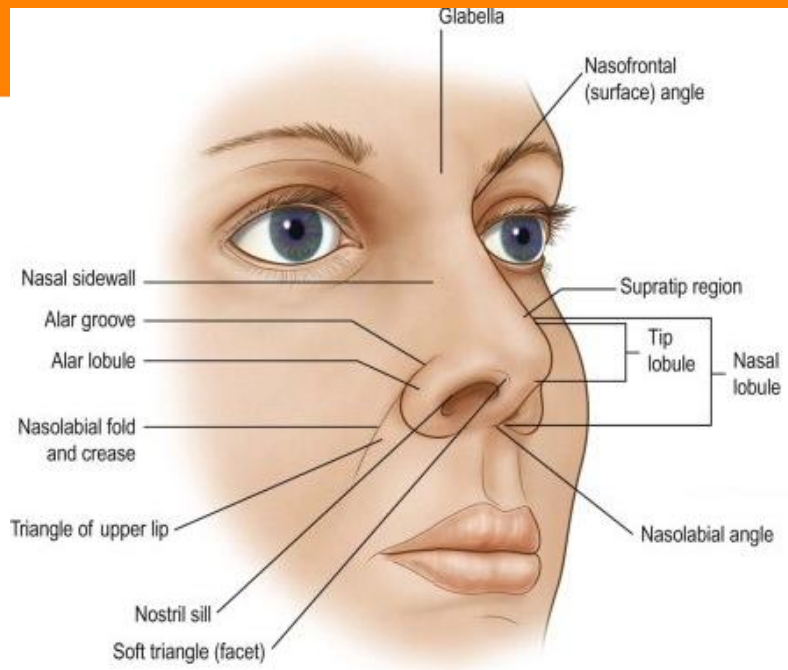
Published January 2, 2009. Pages 109-154. © 2009.



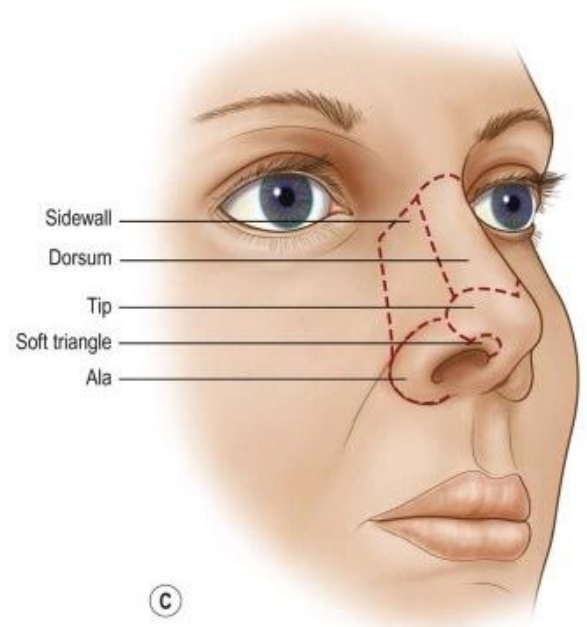
A



B



A



C



# ClinicalKey 提供的答案

- 最好的术式选择

BOOK CHAPTER

## A Modern Approach to Nasal Reconstruction with a Forehead Flap

Frederick J Menick MD

Nasal Reconstruction: Art and Practice, CHAPTER 6, 109-154

↔ Get rights and content

BOOK CHAPTER

## The Forehead Flap: Technique – Getting the Operation Underway, Surgical Planning and the Use of Templates – Step-by-Step Details of Transfer, the Intermediate Operation, and Revision

Frederick J Menick MD

Nasal Reconstruction: Art and Practice, CHAPTER 7, 155-237

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Outline ▾

Operation 1 – Repair of the Lip and Cheek Platform

Operation 2 – Nasal Reconstruction

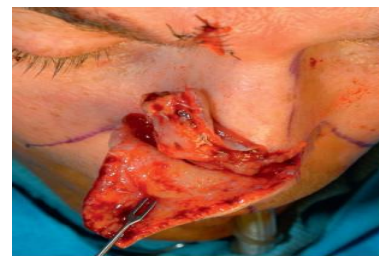
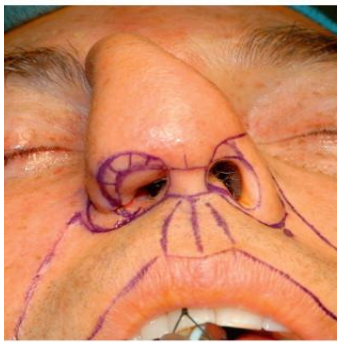
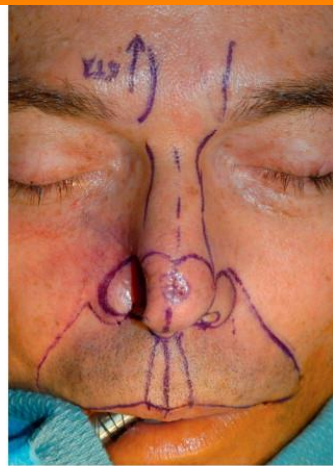
Operation 3 – The Intermediate Operation

Operation 4 – Pedicle Division

Operation 5 – Revision

Forehead Flap Technique

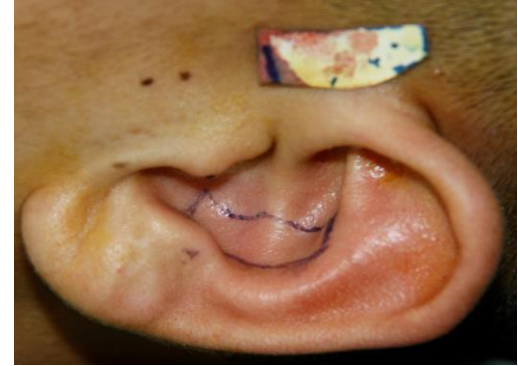
CK 为临床术者提供了权威细节的直接指导



# 明确问题 获得解答

- **解剖及美学缺陷**
- **可用供体组织 Available donor tissues**
  - 鼻唇沟或前额皮瓣覆盖
    - 需要扩展延伸皮瓣
  - 鼻内衬砌瓣
    - 非全厚疤痕不需要
  - 耳软骨支撑
- **手术分期及步骤**
  - 根据覆盖及衬砌皮瓣的修复情况分为3-4期手术

# Case Outcome-Results



**心血管内科  
北京大学&首都医科大学**

**完成国内首例复杂手术**

## Case history

- ✦ F, 61ys, ID: 351718
- ✦ Chief complaint: heart murmur for 20ys, intermittent palpitation for 2ys, chest discomfort, short of breath for 6ms
- ✦ PE reveals heart murmur for 20ys without other signs.
- ✦ palpitation for 2ys Holter reveals atrial premature and ventricular premature occasionally. UCG revealed septal hypertrophy (not detailed).
- ✦ Patient suffers chest discomfort and short of breath for 6ms with exacerbation during exercise UCG reveals septal hypertrophy and LOVT. she took  $\beta$ -bloker and diltiazem for 6ms but with no effect.
- ✦ Past history: no significant past history.

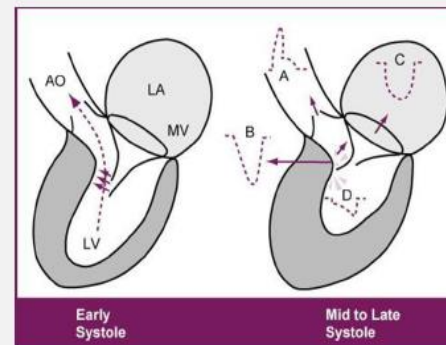
## Ultrasound Cardiography

- ✦ 室间隔厚度 17.6mm,
- ✦ SAM征阳性, 余各瓣膜结构、运动未见明显异常。左室壁非对称性肥厚, 以室间隔基底段肥厚为著, 室间隔与左室后壁之比大于 1.5
- ✦ Doppler血流检测: 左室流出道呈五彩花色, 流速明显增快, 峰值流速约 4.4m/S, 压力阶差: 77mmHg, 二尖瓣区可见少量反流信号。
- ✦ 诊断: 非对称性左室壁异常肥厚, 左室流出道梗阻, 左房增大, 老年性瓣膜退变

## UCG reveals obstructive lesion (arrow)



## Treatment strategy



## 检索ClinicalKey：首先看到对HCM的基本介绍

**ClinicalKey®**  
Hypertrophic Cardiomyopathy

Go to: Outline ▾ **General Rx**

**General Rx**

- Therapy for HCM is directed at blocking the effect of catecholamines that can exacerbate the dynamic left ventricular outflow tract obstruction and avoiding vasodilator or diuretic agents that can also worsen the obstruction.
- Beta-blockers: The beneficial effects of beta-blockers on symptoms (principally dyspnea and chest pain) and exercise tolerance appear to be largely a result of a decrease in the heart rate with consequent prolongation of diastole and increased passive ventricular filling. By reducing the inotropic response, beta-blockers may also reduce myocardial oxygen demand and decrease the outflow gradient during exercise, when sympathetic tone is increased.
- The nondihydropyridine calcium channel blockers (verapamil, diltiazem) can also decrease left ventricular outflow obstruction through a mechanism similar to beta-blockers. However, they are mainly second-line agents used in patients who cannot tolerate beta-blockers as they have theoretic vasodilatory properties as well that may worsen severe outflow tract gradients.
- Disopyramide is an antiarrhythmic that is also a negative inotrope, resulting in further decrease in outflow gradient. It is sometimes used in combination with beta-blockers.
- Prophylactic antibiotics before dental, GI, and genitourinary procedures are no longer recommended according to the 2007 American Heart Association (AHA) guidelines.
- Avoid use of digitalis, intravenous inotropes, dihydropyridine calcium channel blockers, nitrates, and vasodilators.
- Diuretics, angiotensin-converting enzyme inhibitors, and angiotensin receptor blockers should be used with caution.

## 鉴于该患者药物治疗不佳，继续了解侵入性治疗

**ClinicalKey®**  
Guidelines ▾ hypertrophic cardiomyopathy

Go to: Outline ▾ **Invasive therapy**

**SD**

**Athletes**

**Heart Failure**

**Heart failure with obstruction**

**Medical treatment**

**Invasive therapy**

**Heart failure without obstruction**

**Atrial Fibrillation**

**General considerations**

**Management**

**CONCLUSIONS**

**References**

**Invasive therapy**

Optimally, both myectomy and alcohol ablation should be performed in multidisciplinary centers with extensive HCM treatment experience and demonstrable high success and low procedural mortality rates, with the selection of either procedure balanced and unbiased in accord with autonomy of the fully informed patient 40 . A randomized trial comparing myectomy versus alcohol ablation is impractical and unrealistic 108 . Dual-chamber pacing was promoted with enthusiasm in the 1990s as an alternative to surgery 109 , but it has been largely abandoned on the basis of double-blind crossover trials that showed the perceived symptomatic benefit was largely a placebo effect 110 .

**Heart failure without obstruction**

About one-third of HCM patients have the nonobstructive form with absent or small (<30 mm Hg) outflow gradients at rest and with physiological exercise 16 . The majority of nonobstructive HCM patients experience a relatively stable clinical course without significant symptoms, high-risk profile, or the necessity of major treatment options 111 .

Only a minority of nonobstructive patients will experience progressive, limiting HF symptoms predominantly due to diastolic dysfunction 111 ( *Central Illustration* ). Medical treatment is limited to atrioventricular nodal blocking agents (and possibly low-dose diuretics) that may exert a beneficial effect on diastolic function by increasing myocardial blood flow and LV filling time, but often without long-term efficacy. The clinical severity of diastolic dysfunction in HCM is difficult to assess directly because noninvasive measures of diastolic function do not accurately reflect LV filling pressures 112 .

The most advanced form of HF within the HCM spectrum is the end-stage (or "burned out") phase occurring

## 搜索HOCM的治疗

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**MEDLINE**  
Is surgery the gold standard in the treatment of obstructive hypertrophic cardiomyopathy?  
Interactive cardiovascular and thoracic surgery  
Knyshov, Gennadi; Lazovskiy, Yasi; Rudenko, Kostantin... Show all. Published January 2, 2013.

**MEDLINE**  
Percutaneous transluminal septal myocardial ablation in hypertrophic obstructive cardiomyopathy: acute results and 3-month follow-up in 25 patients.  
Journal of the American College of Cardiology  
Seggewiss, H; Gleichmann, U; Faber, L... Show all. Published February 1, 1998.

**MEDLINE**  
Echocardiography in the treatment of hypertrophic cardiomyopathy.

## 最终找到alternative solution

**ClinicalKey®**  
MEDLINE ▾ hypertrophic cardiomyopathy catheter ablation

Olgepe, Meri; Okita, Takahiro; Lever, Harry M... Show all. Published April 1, 2003.

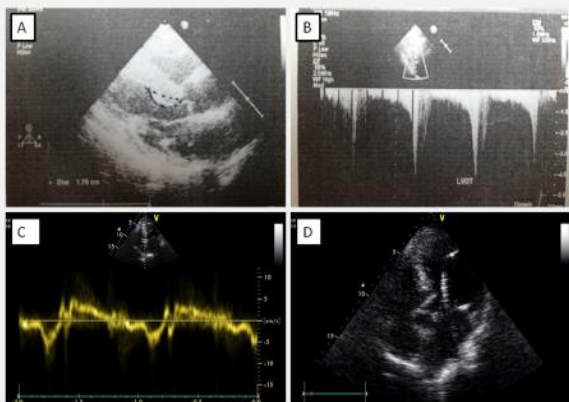
**MEDLINE**  
Assessment of atrial conduction abnormalities in patients with hypertrophic cardiomyopathy before and one year after alcohol septal ablation.  
Cardiology  
Chen, Shi Yuan; Jiansong, Zhang; Jiafen... Show all. Published January 1, 2012.

**MEDLINE**  
Ablation of hypertrophic septum using radiofrequency energy: an alternative for gradient reduction in patient with hypertrophic obstructive cardiomyopathy?  
The Journal of invasive cardiology  
Riedlbauchová, Lucie; Janoušek, Jan; Veselka, Josef. Published June 1, 2013.

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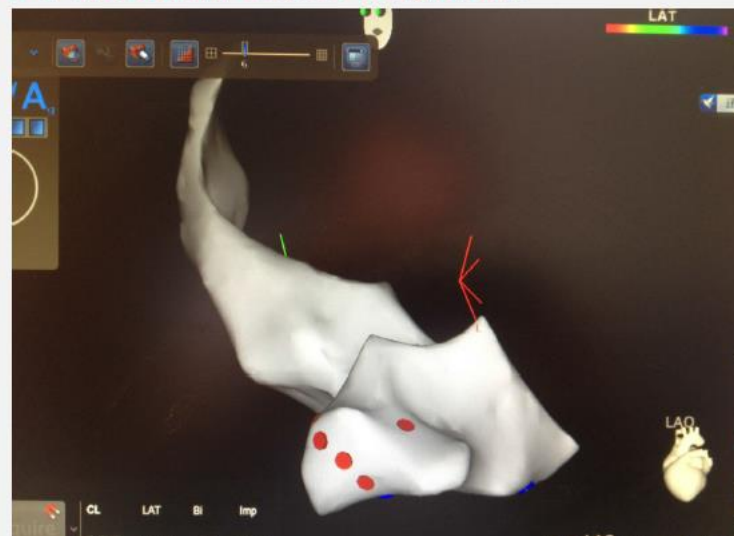
### RFCA result



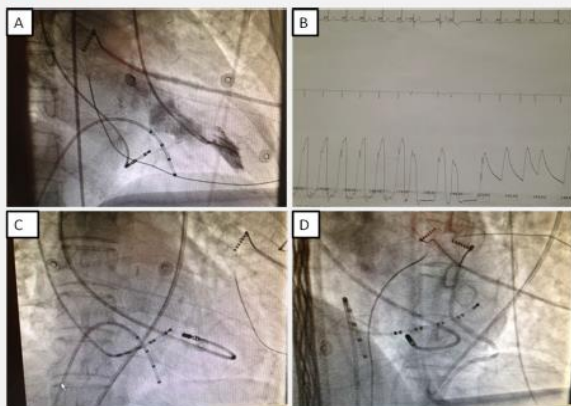
术前超声和导管测压显示左室流出道压力阶差为77mmHg，术后立即降为22mmHg。

A: 术前超声心动图，LVOT梗阻肥厚； B:多普勒显示术前压力阶差77mmHg；

### LVOT model in Carto 3 system

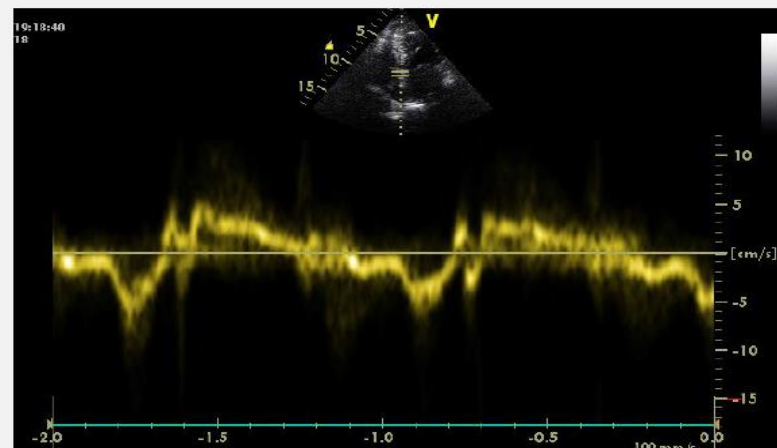


### RFCA result



RFCA process. A:Left ventriculography; B:LVOT pressure gradient  
C:RF catheter position (RAO) ; D:RF catheter position (LAO)

### LVOT(22mmHg) after procedure



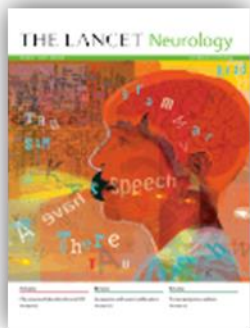
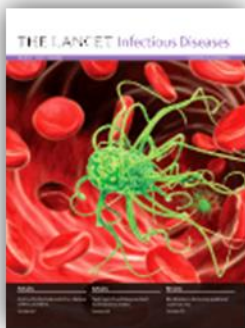


Long-term follow up: no significant symptom



**强力提升科研**

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- 专科领域排名前十： 100+ 种(The Lancet, Ophthalmology, etc.)

• 临床医学类期刊最著名的北美临床系列：

包含全部专科五十余种 ELSEVIER

# 转化医学前沿

## 📄 Clinical Trials 临床试验:

# NIH批准的全球范围内16万余个在研项目

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Phase I Study of the Administration of T Lymphocytes Expressing the CD30 Chimeric Antigen Receptor for Relapsed CD30+ Hodgkin's Lymphoma and CD30+ Non-Hodgkin's Lymphoma (CART CD30)

Published March 24, 2015. Conditions: Non-Hodgkin's Lymphoma; Hodgkin's Lymphoma. Interventions: Drug: CAR,CD30 T cells.

CLINICAL TRIAL

Dose Optimization Trial of Autologous T Cells Engineered to Express Anti-CD19 Chimeric Antigen Receptor (CART-19) in Patients With Relapsed or Refractory CD19+ Chronic Lymphocytic Leukemia (CLL)

Published October 10, 2014. Conditions: Adult Patients Who Have Relapsed or Refractory CLL (3rd Line) or SLL. Interventions: Biological: CART-19.

CLINICAL TRIAL

CHP 959 - A Phase I/IIA Study of Redirected Autologous T Cells Engineered to Contain Anti-CD19 Attached to TCRzeta and 4-1BB Signaling Domains in Patients With Chemotherapy-Resistant O

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CLINICAL TRIAL

The Natural History of Solid Organ Cancer Stem Cells (SOCSC)

Published May 8, 2015. Conditions: Hepatic Cancer; Pancreatic Ductal Cancer; Colorectal Cancer; Breast Cancer; Gastric Cancer.

CLINICAL TRIAL

Phase II Evaluation of Mithramycin, an Inhibitor of Cancer Stem Cell Signaling, in Patients With Malignancies Involving Lungs, Esophagus, Pleura, or Mediastinum

Published January 15, 2015. Conditions: Lung Cancer; Esophageal Cancer; Mesothelioma; Gastrointestinal Neoplasms; Breast Cancer. Interventions: Drug: Mithramycin.

CLINICAL TRIAL

A Phase II Evaluation of Metformin, Targeting Cancer Stem Cells for the Prevention of Relapse in Patients With Stage IIC/III/IV Ovarian, Fallopian Tube, and Primary Peritoneal Cancer

Published May 13, 2015. Conditions: Ovarian, Fallopian Tube, and Primary Peritoneal Cancer. Interventions: Drug: Metformin.

# 了解科研最新前沿：全球在研多中心临床试验

## Purpose

WHO recommends the use of artemisinin-based combination therapies (ACTs) in the treatment of uncomplicated malaria to stem falciparum malaria drug resistance. New ACTs are entering the African market and will be used by the public health care system. The collection of safety data and risk evaluation through observational data are critical in order to assess risk/benefit profile of each ACT through its life cycle and providing information on the best use. Additionally there is need to assess the impact of the introduction of a new ACT in the evolution of its efficacy and malaria morbidity and mortality. Dihydroartemisinin/Piperaquine (DHA/PQP) is a new ACT approved by European Medical

## Detailed Description

### Detailed Description

---

Study will be performed in public health facilities in up to 7 selected HDSS centres (Health and Demographic Surveillance sites) within the HDSS in Burkina Faso (1), Mozambique (1), Ghana (3), and Tanzania (2), where Eurartesim® will be used as first-line treatment of uncomplicated malaria episodes. Primary: Evaluate the safety of Eurartesim® when used under usual conditions in 10,000 patients with signs and symptoms of uncomplicated malaria confirmed by a parasitological diagnosis (Microscopy/Rapid Diagnostic Test) or, when this test is not available, by WHO diagnostic criteria. Criteria

Inclusion Criteria: - Uncomplicated malaria (Plasmodia of any species) diagnosed as per national policies and in line with WHO recommendations (a history of fever in the previous 24 h and/or the presence of anaemia, for which pallor of the palms appears to be the most reliable sign in young children). Confirmation of malaria by a parasitological diagnosis with RDT is encouraged but its absence does not prevent patients from being enrolled. - Age  $\geq$  6 months and weight  $\geq$  5 kg. - Capability of taking an oral medication. - Ability and willingness to participate based on signed informed consent (a parent or a guardian has to sign for children below 18 years old), or on verbal consent given in front of a witness signing the informed consent, and access to health facility. The

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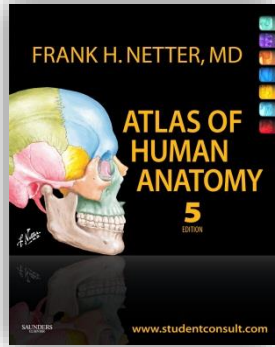
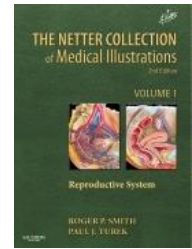
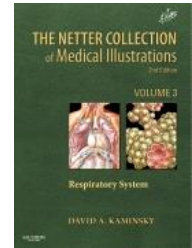
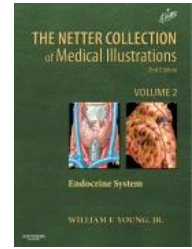
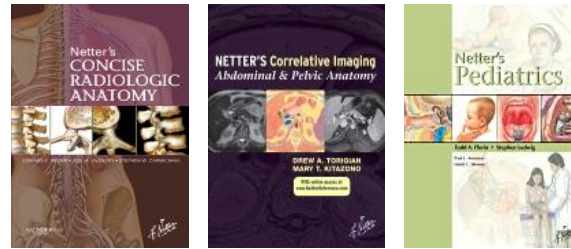
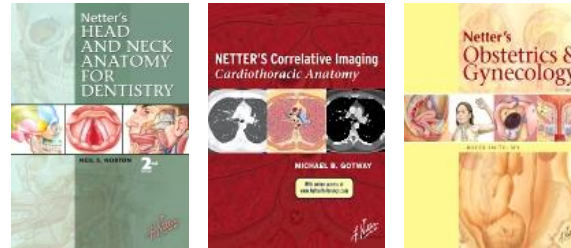
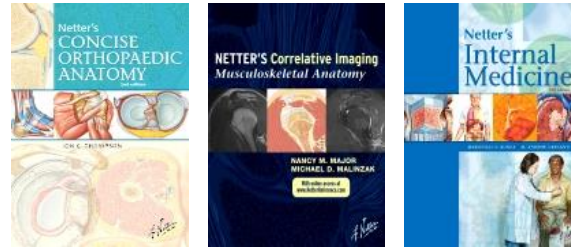
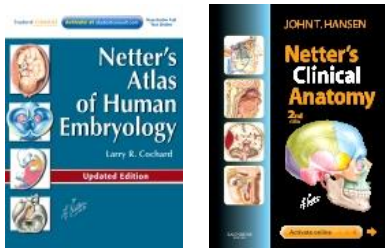
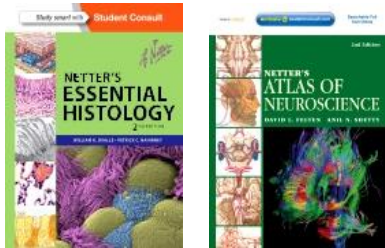
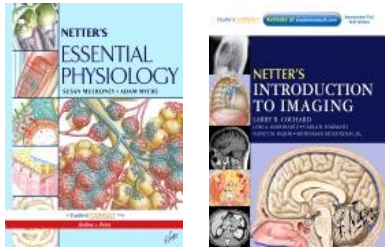
- KEY 1,145余种图书，涵盖所有医学专科，不断增加，不断更新版本
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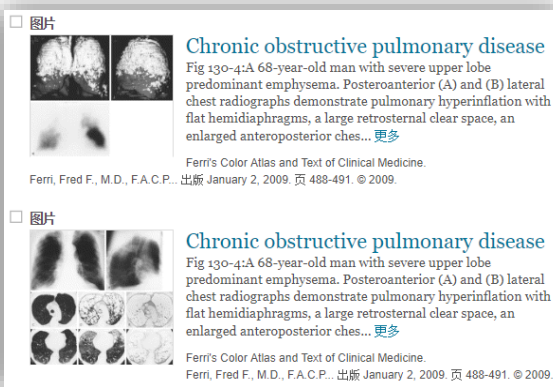
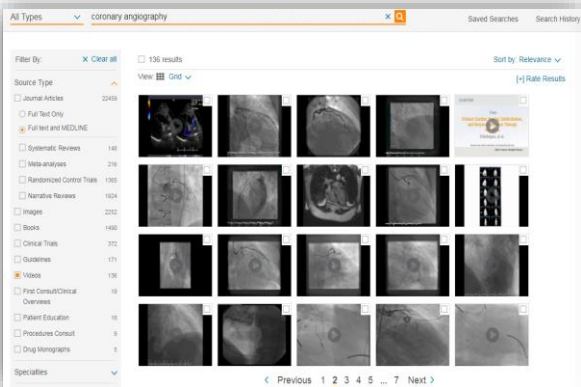
Robbins病理学, Guyton生理学, Abbas细胞与分子免疫学, Thompson医学遗传学, Rang & Dale药理学...

# 生动真实的医学教学

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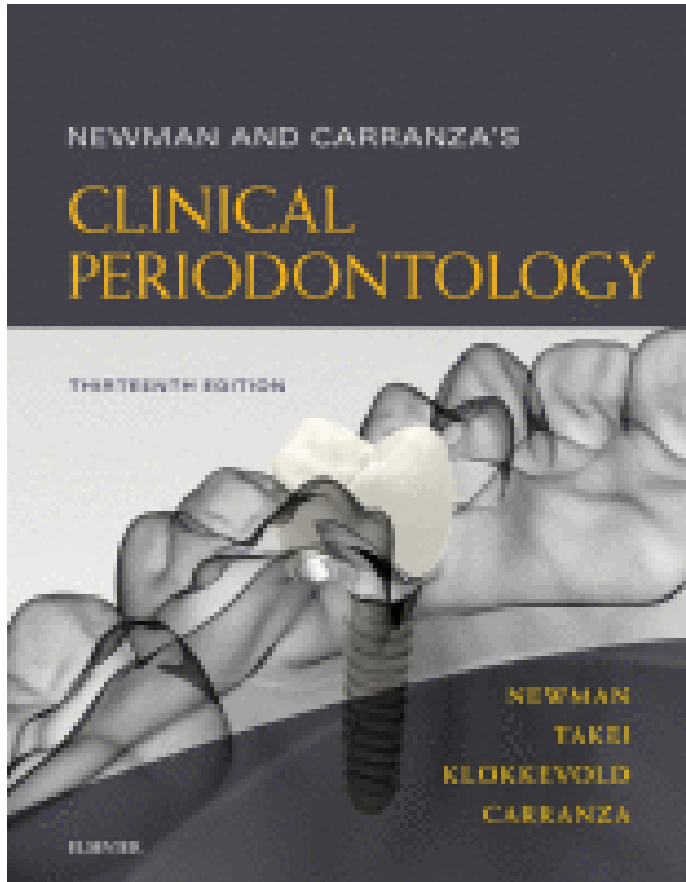


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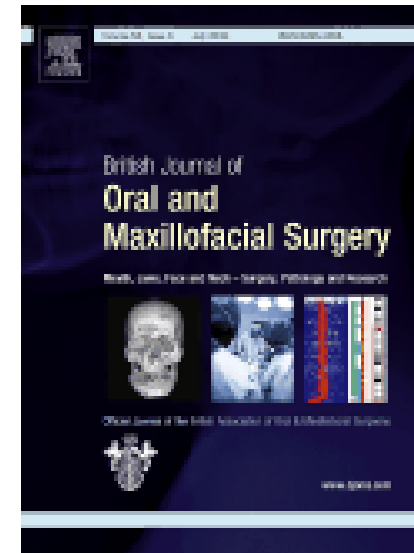
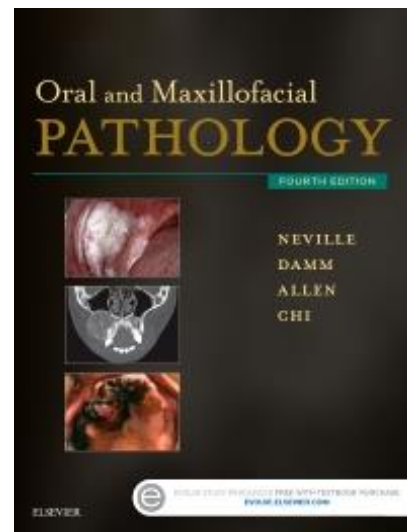
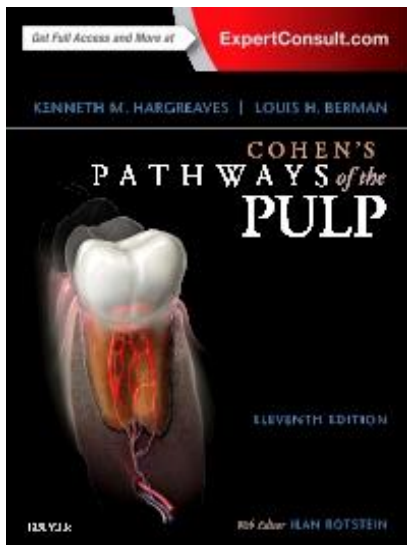
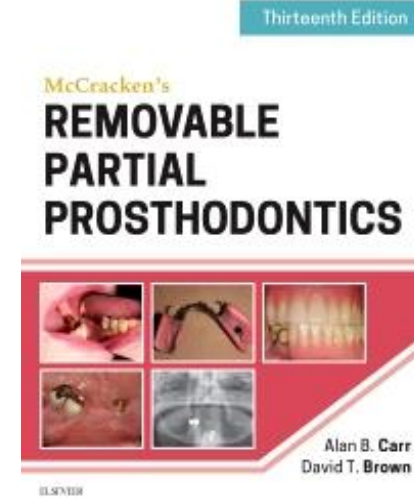
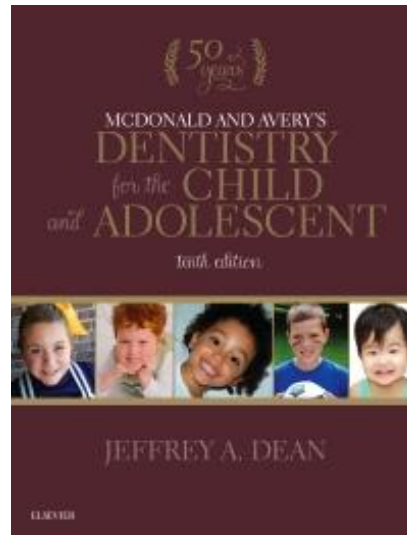
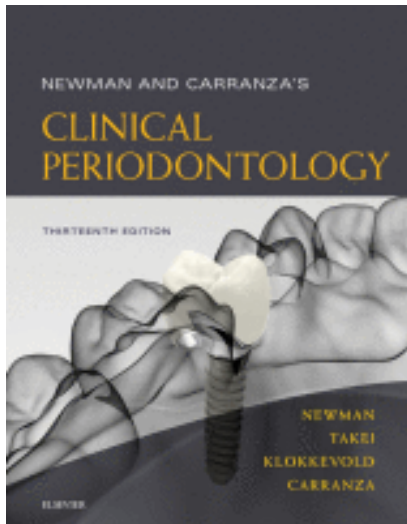


## Newman & Carranza's Clinical Periodontology (第13版)

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M. Newman等编著 Price: \$195

可能是应用最广泛的牙周病学教科书。美国口腔医学会与美国医学会启动了口腔健康与全身性疾病关系的临床研究，牙周病学专家脱颖而出，其中就有本书的两位作者Newman（2007年美国牙周病学院最高奖——金奖）和TaKei（2006年美国牙周病学院“临床大师奖”）。



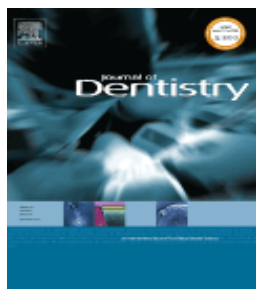
# Dentistry权威期刊



## Dental Materials

影响因子3.773，牙科&口腔外科第4，生物材料学第4

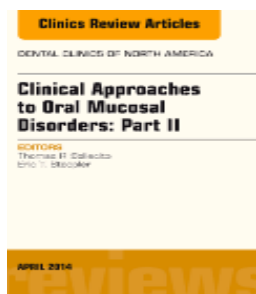
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## Journal of Dentistry

影响因子3.2，牙科&口腔外科第7

修复牙科学领域国际知名期刊，内容涉及牙病、牙周病学、牙髓病学、牙科外科学、假牙修复学、牙科生物材料学以及流行病与口腔健康的长期临床试验等。



## Dental Clinics of North America

广受欢迎的北美临床系列综述之一，每一期均由某一方向的资深客座编辑关注单一主题，如牙髓学、假牙修复学、美容牙科和假牙种植等。本刊使读者了解患者治疗的最新趋势，最新进展，为医生选择治疗方案提供坚实的基础。

# Dentistry & Oral/Maxillofacial Surgery 部分内容

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图书	22种	<ul style="list-style-type: none"> <li>• Oral Pathology, 6e</li> <li>• Cohen's Pathways of the Pulp Expert Consult, 10e</li> <li>• Treatment Planning in Dentistry, 2e</li> <li>• McDonald and Avery Dentistry for the Child and Adolescent, 9e</li> <li>• McCracken's Removable Partial Prosthodontics, 12e</li> <li>• Sedation, 5e</li> <li>• Problem Solving in Endodontics, 5e</li> <li>• Esthetic Dentistry, 2e</li> <li>• Principles and Practice of Implant Dentistry</li> <li>• Current Therapy in Orthodontics</li> <li>• Implant Dentistry, 2e</li> <li>• Principles and Practice of Laser Dentistry</li> <li>• Mosby's Dental Drug Reference, 11e</li> <li>• Color Atlas of Dental Implant Surgery, 3e</li> </ul>	

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AAOS Atlas of Orthoses and Assistive Devices

Abdominal Imaging

Abeloff's Clinical Oncology

Abernathy's Surgical Secrets

Accident and Emergency Radiology: A Survival Guide

Acute Coronary Syndromes: A Companion to Braunwald's Heart Disease

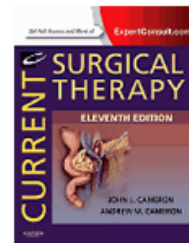
Adler's Physiology of the Eye

Adolescent Medicine

特色图书



Abeloff's Clinical Oncology



Current Surgical Therapy

过滤依据：

专科

Advanced Basic Science 18

Allergy and Immunology 14

Anesthesia & Perioperative Care 47

Anesthesiology 3

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Cardiovascular 68

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- + More 专科

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- Atlas of Surgical Techniques for Colon, Rectum and Anus
- Atlas of Surgical Techniques for the Upper GI Tract and Small Bowel
- Barrett's Esophagus
- Basic, Advanced, and Robotic Laparoscopic Surgery
- Clinical Gastrointestinal Endoscopy

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Current Surgical Therapy

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专科

Pathology 1

Surgery 1

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pancreas



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# A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Blumgart's Surgery of the Liver, Biliary Tract and **Pancreas**

Odze and Goldblum Surgical Pathology of the GI Tract, Liver, Biliary Tract and **Pancreas**

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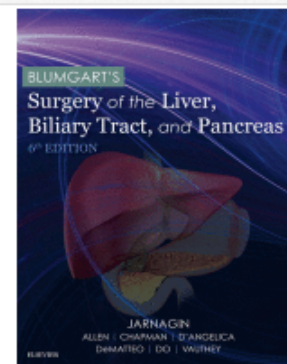
## Blumgart's Surgery of the Liver, Biliary Tract and Pancreas, Sixth Edition

## 目录



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IFC	38. Postcholecystectomy problems	splenorenal, mesocaval
Front Matter	39. Intrahepatic stones	87. Transjugular intrahepatic portosystemic shunting : Indications and technique
Copyright	40. Extrahepatic biliary atresia	88. Budd-Chiari syndrome and veno-occlusive disease
Dedication	41. Primary sclerosing cholangitis	89. Tumors of the liver : Pathologic aspects
Editors	42. Biliary fistulae and strictures	90. Benign liver lesions
Contributors	43. Cholangitis	90. Cystic hepatobiliary neoplasia
Preface	44. Recurrent pyogenic cholangitis	--
Acknowledgments	45. Biliary parasitic disease	
Video contents		
Hepatobiliary and pancreatic		



Jarnagin, William R., MD, FACS

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CME ☆ 打印 邮件

Overview

Race and Ethnicity

African Americans

Ashkenazi Jews

Asians

Risk Factors for Pancreatic Ductal Adenocarcinoma and Pancreatic Cancers (See Chapter 9C )

Familial Pancreatic Cancer and Inherited Genetic Disorders

Six Genetic Syndromes Associated With Pancreatic Ductal Adenocarcinoma

图书章节

## Pancreatic cancer: Epidemiology

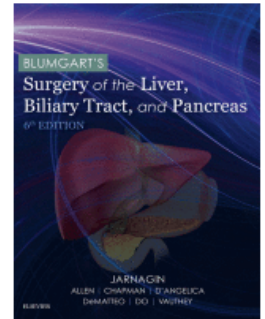
Theresa Pluth Yeo 和 Charles J. Yeo

Blumgart's Surgery of the Liver, Biliary Tract and Pancreas, Chapter 61, 971-978.e2

### Overview

The pancreas is an organ located in the retroperitoneum, which has both exocrine and endocrine functions. The exocrine pancreas is composed of duct cells and acinar cells that produce enzymes that break down carbohydrates, proteins, and lipids promoting digestion. Greater than 90% of malignant pancreatic neoplasms are presumed to arise from the exocrine component ( Cowgill et al, 2003 ; Li, 2003 ).

Pancreatic ductal adenocarcinoma (PDAC) is the most common type of pancreatic cancer (PC), representing greater than 90% of the exocrine pancreas cases (see [Chapter 59](#) ). The other 10% of exocrine tumors are mucinous tumors, mixed adenosquamous tumors, or acinar cell tumors ( Cowgill et al, 2003 ; Li, 2003 ). Endocrine neoplasms (islet cell tumors and pancreatic neuroendocrine tumors) contribute approximately 5% of the total pancreatic cancer cases ( Cowgill et al, 2003 ; Li, 2003 ).



## Blumgart's Surgery of the Liver, Biliary Tract and Pancreas

Sixth Edition

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CME ☆

概观

种族和民族

非洲裔美国人

德系犹太人

亚洲人

胰腺导管腺癌和胰腺癌的危险因素 (见第9C章)


家族性胰腺癌和遗传性遗传疾病

与胰腺导管腺癌相关的六种遗传综合征

烟草暴露

高风险职业

## 图书章节

胰腺癌：流行病学 

Theresa Pluth Yeo 和 Charles J. Yeo

Blumgart的肝脏，胆道和胰腺手术，第61章，971-978.e2

## 概观

胰腺是位于腹膜后腔的器官，具有外分泌和内分泌功能。外分泌胰腺由导管细胞和腺泡细胞组成，产生的酶分解碳水化合物，蛋白质和促进消化的脂质。推测大于90%的恶性胰腺肿瘤来自外分泌成分（Cowgill等，2003；李，2003）。

胰腺导管腺癌（PDAC）是最常见的胰腺癌（PC）类型，占外分泌胰腺病例的90%以上（见第59章）。另外10%的外分泌肿瘤是粘液性肿瘤，混合性腺鳞癌或腺泡细胞癌（Cowgill等，2003；李，2003）。内分泌肿瘤（胰岛细胞瘤和胰腺神经内分泌肿瘤）占胰腺癌总数的约5%（Cowgill等，2003；李，2003）。

在美国，PDAC占有新癌症的2.8%和所有癌症死亡的6%（Siegel等，2014）。PC是导致肺癌，前列腺癌和结肠直肠癌患者癌症死亡的第四大原因，截至2014年，它也是导致肺癌，乳腺癌和结肠直肠癌的女



## Blumgart的肝脏，胆道和胰腺手术

第六版

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AHJ

American Heart Journal



Annals of Medicine and Surgery



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Roles of Glia in Intestinal Functions and Disease

Context Matters

Targeting Glial Mechanisms for Therapeutic Benefit

Critical Unmet Needs to Further the Field and Translatability of Current Work

Final Thoughts and Practical Guidelines for Future Studies

参考文献

期刊全文

## Are We Close to Targeting Enteric Glia in Gastrointestinal Diseases and Motility Disorders?

Brian D. Gulbransen 和 Fievos L. Christofi

Gastroenterology, 2018-08-01, 卷号 155, 期 2, 页 245-251, Copyright © 2018 AGA Institute

Understanding the mechanisms that regulate intestinal homeostasis is essential for the development of targeted therapies for intestinal diseases. New evidence shows that enteric glia, a unique type of peripheral neuroglia found in the intestine, contribute to the regulation of gastrointestinal (GI) motility, gut inflammation, and potentially other intestinal processes, such as epithelial barrier function, endocrine functions, and immunity ( [Figure 1](#) ). <sup>1 2 3 4</sup> These attributes make gliomodulation an attractive therapeutic avenue, but how close we are to harnessing the power of glia to aid human digestive health remains debatable. Herein, we focus on several points that could provide clarity around this issue and help to guide future research in the field.

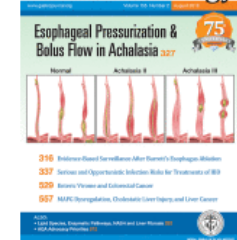
- Enteric neuropathy
- Neural network dysfunction

### How to Ensure Patient Adherence to Colorectal Cancer Screening and Surveillance in Your Practice

页 252-257. Hassan, Cesare, Kaminski, Michal F., 和 Repici, Alessandro.

Based on a National Health Interview survey, nearly 65% of the insured and eligible subjects in the United States were screened for colorectal cancer (CRCacrm1) according to the recommended intervals, with a continuous increase in uptake from 41%...

### Gastroenterology



### Gastroenterology

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management of Helicobacter [F1000Res. 2016]

Clinical Implications of Synchronous and Metachronous Multiple Gastric Cancers [Clin Endosc. 2018]

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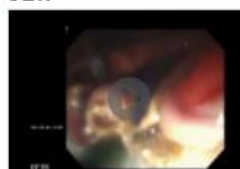
## 视频2 - 腹腔镜远端胃切除术...

使用线性吻合器和夹子切除胃。

Kim, Hyoung-II, MD; Woo, Yanghee, MD; Hyoung, .....[显示全部](#)。出版 January 1, 2012. Volume 214, Issue 1. 页 e7-e13. © 2012. 视频

## 视频1 - 内窥镜全层切除术...

1例患者中所例示的全层切除：病灶周围用氩等离子体凝固（APCacrn1）标记。装有21毫米切除装置的内窥镜在气球爆炸后小心地进入食道...

Kratz, Thomas, MD; Kueper, Markus, MD; Boesmueller, .....[显示全部](#)。出版 August 1, 2016. Volume 84, Issue 2. 页 368-368. © 2016. 视频

## 视频5 - 创新纯粹的非暴露内窥镜...

全胃切除倒置胃壁。

Mori, Hirohito, MD, PhD; Kobara, Hideki, MD, .....[显示全部](#)。出版7月1日, 2016年第84卷, 第1. 找到页178-179. ©2016年

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房颤	11/21/16
高血压治疗	11/10/16
高血压治疗	10/28/16
Hypertension	8/24/16
NSCLC	12/16/15
Lung Cancer	12/16/15
Stem Cell & Cancer	9/16/15
Hearing loss	7/31/15
Purpura	6/25/15

房颤 修改

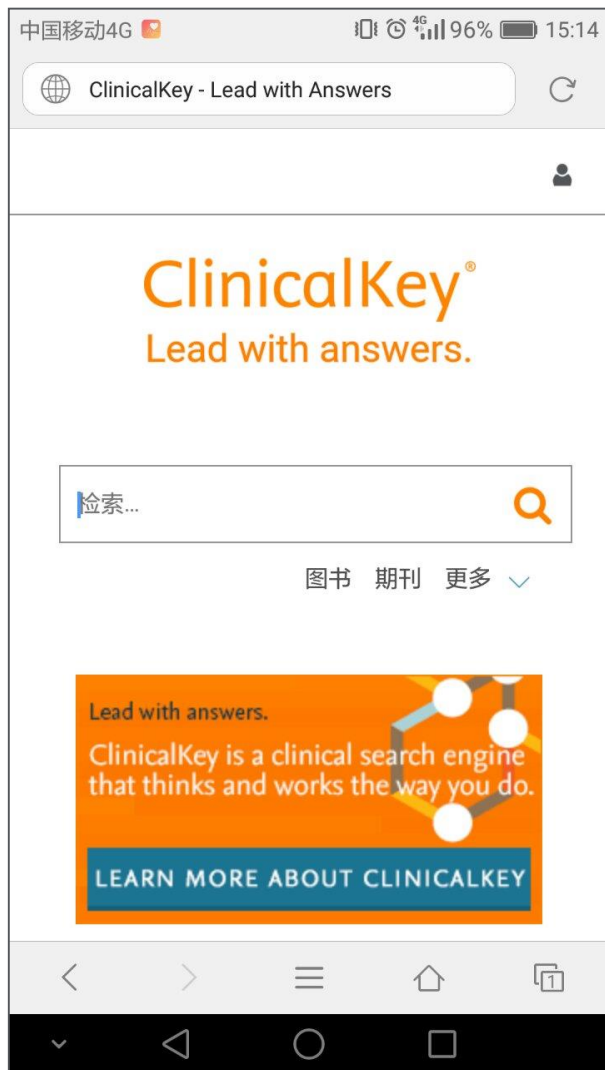
房颤.ppt [Compatibility Mode] - Microsoft PowerPoint

Click to add notes

Slide 1 of 3 'Office Theme' English (U.S.)

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谢谢!

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