



## The NEW ENGLAND JOURNAL of MEDICINE



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- ▶出版社简介
- ▶NEJM的影响力
- ▶NEJM中的文章类型
- ▶NEJM中的功能
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# 出版社简介

NEJM由美国马萨诸塞州医学会(the Massachusetts Medical Society,MMS)出版发行,拥有18,500多名医生和学生会员,致力于为马萨诸塞州的患者和医生提供教育与支持。该协会成立于1781年,是美国持续运作历史最悠久的医学协会。

1812

●约翰·柯川博士创办,始称 《新英格兰医学与外科期 刊》。 1928

•改为周刊型态出版,也被 更名为《波士顿医学与外 科期刊》

# 一白年

平田和 人 44 化

•采用现今我们所知道的名 称《新英格兰医学期刊》。





The NEW ENGLAND JOURNAL of MEDICINE 期刊影响力



# 新英格兰医学杂志

## The NEW ENGLAND JOURNAL of MEDICINE

VOL. 378 NO. 13

ESTABLISHED IN 1812



#### 1176 THIS WEEK AT NEJM.ORG

#### PERSPECTIVE

- 1169 Hepatitis C in Injection-Drug Users

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  T.J. Liang and J.W. Ward
- 1171 Polluting Developing Brains EPA Failure on Chlorpyrifos V.A. Rauh
- 1174 Rethinking Criminalization of HIV Exposure

   Lessons from California's New Legislation
  Y.T. Yang and K. Underhill

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- 1177 Duration of Adjuvant Chemotherapy for Stage III Colon Cancer A. Grothey and Others
- 1189 Molecular Minimal Residual Disease in Acute Myeloid Leukemia M. Jongen-Lavrencic and Others
- 1200 Cardiovascular Safety of Febuxostat or Allopurinol in Patients with Gout W.B. White and Others
- 1211 Ibrutinib plus Venetoclax for the Treatment of Mantle-Cell Lymphoma C.S. Tam and Others

#### CLINICAL PRACTICE

1224 Tinnitus C.A. Bauer

NEJM Ound & published by the MASSACHUSETTS MEDICAL SOCIETY 0 2018. All rights retried. SSN 0028-4793.

### 1232 Appendiceal Pinworms

I. Mora-Guzmán and A. Rodriguez-Sanchez

NEJM.ORG

- e17 Cutaneous Diphtheria I.E. Wilson and E.N. Menson
  - INTERACTIVE MEDICAL CASE
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#### M. Weinstock and Others

#### CASE RECORDS OF THE MASSACHUSETTS GENERAL HOSPITAL

- 1233 A Man with Painless Unilateral Testicular Swelling R.W. Thompson and Others
- 1242 A New IDEA in Adjuvant Chemotherapy for Colon Cancer
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  1244 Clonal Hematopoiesis after Induction Chemotherapy

  for Acute Missland Laukemia
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  D.P. Steensma and B.L. Ebert
  SPECIAL REPORT
- 1246 Are We Prepared for Nuclear Terrorism? R.P. Gale and J.O. Armitage

### CLINICAL IMPLICATIONS OF BASIC RESEARCH 1255 A CRISPR Way to Restore Hearing

W.W. Chien
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#### 1257 Influenza Vaccination during Pregnancy

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- 1259 EPASI Mutations and Paragangliomas in Cyanotic Congenital Heart Disease
- 1261 Osimertinib in EGFR Mutation–Positive Advanced NSCLC
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- 1267 CONTINUING MEDICAL EDUCATION

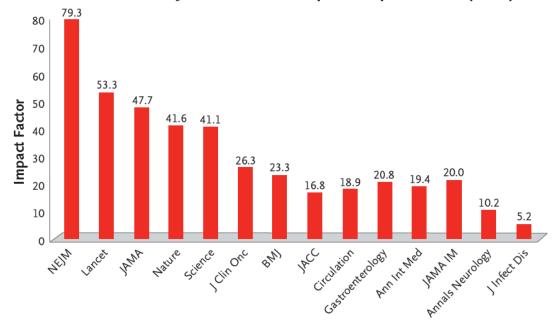
世界上阅读、引用最广泛、影响力最大的综合性医学期刊。

内容着重在内科学和过敏/免疫学、心脏病学、内分泌学、肠胃病学、血液学、肾脏疾病、肿瘤学、肺部疾病、风湿病学、HIV以及传染病等专业领域。



# 全球顶级医学杂志

### Data from InCites Journal Citation Reports Impact Factor (2017)



<sup>\*</sup>BPA Statement, July 2018.

<sup>†</sup>How Physicians Search for Jobs study, Zeldis Research Associates, Inc.



# NEJM排名

《新英格兰医学杂志》 一直被评为全科医学 中最重要的期刊。

## New England Journal of Medicine Ranks

Internal Medicine	#1	53%
Hospital Medicine	#1	54%
Hematology/Oncology	#1	87%
Infectious Disease	#1	76%
Pulmonology	#1	57%

<sup>\*\*</sup>Essential Journals Study, The Matalia Group, 2017.





The NEW ENGLAND JOURNAL of MEDICINE 文章类型

## Review evidence

ORIGINAL ARTICLES报道了改善病人护理和临床实践的原创临床研究的科学结果,或提供了有关疾病生物学的新信息。每一个原创性文章都要考虑独创性、质量、强有力的结果和伦理价值。

REVIEW ARTICLES综合了最近的研究和对关键临床概念的新见解,将当前的思考纳入了上下文。具体的临床指导通常包括在内。几乎每周都有新的评论文章发表。



# 治疗方案

CLINICAL PRACTICE文章首先介绍一个单一的案例,然后完整的描述诊断和治疗策略,治疗方案,治疗选择,和治疗指南。

+

CLINICAL PRACTICE

### Management of Acute Hip Fracture

Mohit Bhandari, M.D., Ph.D., and Marc Swiontkowski, M.D.



			For all your informat
Article Figures/Media Metrics		November 23, 201 N Engl J Med 2017; 377:2053-2062	
References 1 Citing Article Letters 2 Commer	ts Key Clinical Points • Audio Full Text -	DOI: 10.1656/NEJMcp1611099	
Comments open through November 29, 2017		Editors	
to Karamat Cartan Annie and Marian and Aller a	Advanced to the Follows	Caren G. Solomon, M.D., M.P.H., Editor	
its Journal feature begins with a case vignette highlighting a common clinical problem. Evidence supporting various ategies is then presented, followed by a review of formal guidelines, when they exist. The article ends with the authors' nical recommendations.		Related Articles	
		CORRESPONDENCE MAR 8, 2018  Management of Acute Hip Fracture	
ours after a slip and fall. She is unable bear an	d active presents to the emergency department several by weight on her right leg and reports that she has pain sight leg is shortened and externally rotated. A plain	ADVERTISEMENT	
diograph of her pelvis and hip confirms a no the radiograph determines that her fracture illed a basicervical fracture) with a more ver anaged?	Managen	nent of Acute Hip Frac	cture
he Clinical Problem	Article Figures/Media	Metrics	November 23, 2017 N Ergi J Med 2017: 377-2053-2062
T T ORLDWIDE, 4.5 MILLION PEC	<u>↓</u> Permissions Slide Set		D-OI: 10,1056/NE  Mcp1611090
year, with an expected increase t 40 years. Globally, hip fracture:	Figures/Media		Editors  Caren G. Solomon, M.D., M.P.H., Editor
40, the estimated annual health care costs villion in Canada. <sup>2</sup> However, given that three		Figure 1. Cassification of Hip Fracture According to Anatomical Fracture Site.	
ojected that Asian countries will contribute timated that by 2050, more than 50% of all	Lateral epiphyse artery complex artery complex Subcapital Intracapsular Midcervical fractures Basicervical Greater trochanter		CONTENDEMENT OF ACUTE HIP Fracture  The knowledge you trust. Now easily discoverable.  THE BUTTE STYLE OF THE BUTTE STATE OF THE BUTTE STYLE OF TH
	Intertrochanteric  Extracapsular fractures	Femoral artery  Medial circumflex artery  Lateral circumflex artery	CareerCenter  PHYSICAN JOSS  APPLESS STREET  Chesterics & Cancookey  OBJOTN  Newsbey  New York Security Neurology Sts. Northwell Health  Appless Security Neurology Sts. Northwell Health

# 治疗方案病例描述

A 32-year-old woman who emigrated from Eastern Europe is evaluated for persistent epigastric pain and bloating. Previous assessments showed a normal complete blood count and comprehensive metabolic panel and a negative result on serologic testing for celiac disease. Serum testing for Helicobacter pylori IgG was positive. She was treated with 20 mg of omeprazole, 1 g of amoxicillin, and 500 mg of clarithromycin, each taken twice daily for 10 days, but her symptoms persisted. How would you further evaluate and treat this patient?

# 临床问题描述

### The Clinical Problem

infection that is found worldwide. Studies suggest that infection rates vary according to geographic region, but the number of infected people has persisted or even increased over the past three decades because of population growth and because of reinfection and recrudescence due to unsuccessful eradication. A less advantaged socioeconomic status is a risk factor for H. pylori infection because it is associated with more crowded living conditions that favor intrafamilial transmission. Iatrogenic infection by means of endoscopes also occurs.

# 临床要点

### Helicobacter pylori Infection

- Testing for H. pylori is recommended in patients with peptic ulcer disease, gastric cancer, or gastric mucosa—associated lymphoid tissue lymphoma (MALToma). Other recommended indications for testing include dyspepsia, prolonged use of nonsteroidal antiinflammatory drugs or aspirin, unexplained iron-deficiency anemia, and immune thrombocytopenia.
- Testing for H. pylori can be performed directly on biopsy specimens obtained during endoscopy or performed by means of the stool antigen test or urea breath test. Proton-pump inhibitors (PPIs) interfere with the detection of bacteria and must be discontinued before any testing is performed.
- Several regimens are considered to be acceptable for initial treatment. The presence of an allergy to penicillin, previous exposure to macrolides, and high levels of macrolide resistance where the patient lives or has lived (if information is known) are relevant in choosing a regimen.
- After treatment, it is essential to document clearance of the infection, typically by means of a stool antigen test or urea breath test performed 1 month after the completion of antibiotic therapy (again, while the patient is not taking a PPI).
- Should retreatment be indicated, a different regimen that avoids repetitive use of the same antibiotic agents is recommended.

什么情况下需要进行幽 门螺杆菌检查

如何进行幽门螺旋杆菌 检查

几种初步治疗方案

治疗后需要再次检查

再次治疗注意事项

## **Conclusions and Recommendations**

### 结论和建议

The patient in the vignette received a diagnosis of H. pylori infection that was made on the basis of IgG serologic testing. More-specific testing, with the use of stool antigen or urea breath testing, would have been preferred to determine whether she had active infection. She is helicobacter pylori Infection

https://www.nejm.org/doi/full/10.1056/NEJMcp1710945

Because of cost and ease, I would recommend a stool antigen test to confirm the presence of active infection and the failure of the clarithromycin-based treatment. If the test results are positive, a different treatment regimen would be indicated. Failure of the initial clarithromycin-based regimen would not be surprising because the patient is from Eastern Europe, an area that has a clarithromycin resistance level of 15 to 40%. 42 I would recommend treatment with bismuth-based quadruple therapy for 10 to 14 days, with a subsequent test performed 4 weeks after the completion of treatment (including the use of a PPI) to confirm eradication.

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eatment for H. pylo ion and an increas r assess the effects

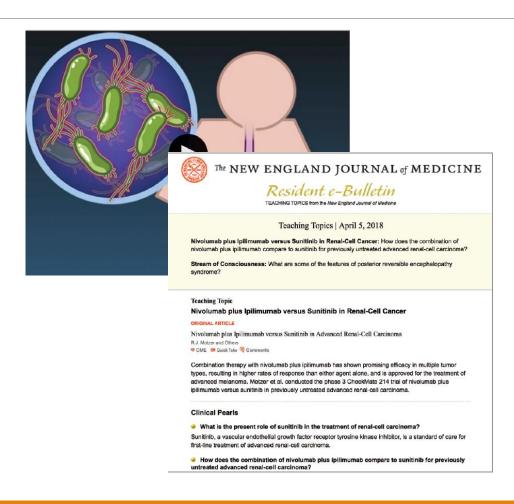
"" Stories and antitot popul more account.



# 教学材料

QUICK TAKE每周快速拍摄视频,以吸引人的动画格式呈现重要文章的亮点。这些简短的视频提供了一个简洁,创新的方式来理解重要的新研究发现,对医疗实践和病人护理有影响。

RESIDENT E-BULLETIN住院医师电子简报每周发送电子邮件,其中包含两篇对教学特别有价值的文章摘要。在我们的博客 NOW @ NEJM 中,针对 NEJM 内容的临床意义及激发讨论的问题,给出了简要见解。



## Quick Take

SPECIALTIES TOPICS MULTIMEDIA CURRENT ISSUE LEARNING/CME AUTHOR CENTER

**QUICK TAKE** 

### A Shorter Regimen for Tuberculosis

MDR tuberculosis is considerably more difficult to treat than drug-susceptible TB, especially in resource-poor settings. Is there a way to achieve treatment success more easily than the course recommended in the 2011 WHO guidelines? New research findings are summarized in a short video.

Video Summary of

ORIGINAL ARTICLE MAR 28, 2019

A Trial of a Shorter Regimen for Rifampin-Resistant Tuberculosis

A. J. Nunn and Others

**Embolism during Pregnancy** 

March 28, 2019

DOI: 10.1056/NEJMdo005489

Chinese Translation 中文翻译



https://www.nejm.org/do/10.1056/NEJMdo005489/full/



# 演示程序

VIDEOS IN CLINICAL MEDICINE临床医学视频提供您在计算机或移动设备上观看常见的临床程序。这些视频的准确性获得同行评审并采用查阅方便的方式编制章节,提供了对制剂、设备等程序的简要回顾。还可下载 PDF 版本的程序摘要。有超过70个视频可用,并且还在不断更新。





# 部分视频列表

- Placing a Lumbar Epidural Catheter
- Monitoring Neuromuscular Function
- Carotid Sinus Massage
- Use of Pressure Transducers
- Clinical Examination of the Shoulder
- Managing Procedural Anxiety in Children
- Transfusion of Red Cells
- Removal of Foreign Bodies from the Ear and Nose
- Insertion of an Intracranial-Pressure Monitor
- Examination of the Retina
- Noninvasive Positive-Pressure Ventilation
- Treatment of Hematoma of the Nasal Septum

- 放置腰椎硬膜外导管
- 监测神经肌肉功能
- 颈动脉窦按摩
- 使用压力传感器
- 肩部临床检查
- 处理儿童焦虑情绪
- 红细胞输注
- 移除耳鼻异物
- 插入鼻内压力监测器
- 视网膜检查
- · 无创正压通气
- 鼻中隔血肿治疗

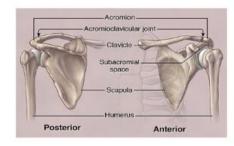
#### OVERVIEW

Shoulder pain leads many patients to see a primary care physician. Obtaining a focused history and performing a proper examination of the shoulder facilitate diagnosis and treatment. This video reviews the anatomy of the shoulder, common shoulder injuries, and the procedures for obtaining the patient's history and performing a physical examination of the shoulder.

#### ANATOMY

A thorough understanding of the anatomy of the shoulder is crucial for a good clinical examination. The major anatomical landmarks of the shoulder include the clavicle, the acromion, the acromioclavicular joint, the humerus, the subacromial space, the rotator cuff (including the supraspinatus, infraspinatus, and teres minor on the posterior

Figure 1.



Greater Tubercle.

۱N 3

# 识别标志和条件

## IMAGES IN CLINICAL MEDICINE展

示常见临床表现的突出范例,并随附文字。每周发布两张影像。 影像挑战IMAGE CHALLENGE有助 于提高诊断技能。每次影像挑战 都广受好评的 NEJM 医学影像, 要求观看人作出诊断或回答问题。





## **IMAGE CHALLENGE**



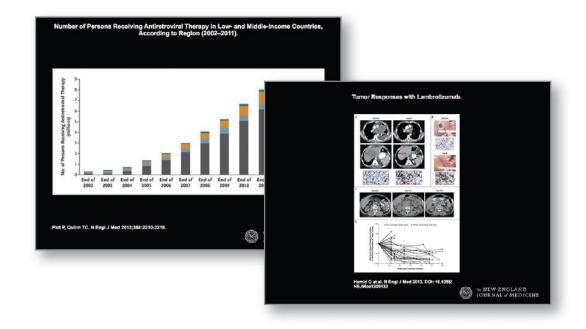
Coxsackievirus infection	10%
Furuncular myiasis	24%
Foreign body granulomas	11%
Tungiasis	44%
Scabies infestation	11%
Back to Poll	70809 Total Responses

Ibrahem Nofal ▼ Feb 22, 2019	Appendicitis I think appendicitis complicated by perforation because there isnt electrolyte imbalance.		
MOHAMED THAQIF IMTIAZ Feb 17, 2019	PR BLEED WONDERING WHY NO EARLY COLONOSCOPY.		
SAMEER KAUL, MD Feb 05, 2019	Crohns Disease Flare Up Appears to be a flare-up of Crohn's disease possibly by increased consumption of starchy food(being an athlete). Starchy meals are known to increase the growth of gut flora. During a flare, the G.I inflammation can be severe enough to warrant hospitalization.	ful?	
Ali Hami - Jan 26, 2019	Crohn's disease  Hx backs to 20 days is relatively long for appendicitis although the right side abdominal pains, fever, tenderness and the toxic symptoms later are all could be a feature of AA		



# 创建演示文稿

POWERPOINT SLIDE SETS幻灯片集可以轻松展示 NEJM 文章、图形和表格。幻灯片集可用于呈现原创和评论文章、MGH 病例记录和临床问题解决文章。用于影像、插图和表格的幻灯片影像下载POWERPOINT IMAGE DOWNLOADS在文章左侧工具栏中加入了标题和引文信息。



# 中文支持



This article is available in Chinese 提供中文支持

# 为住院医师和医学生提供宝贵的工具

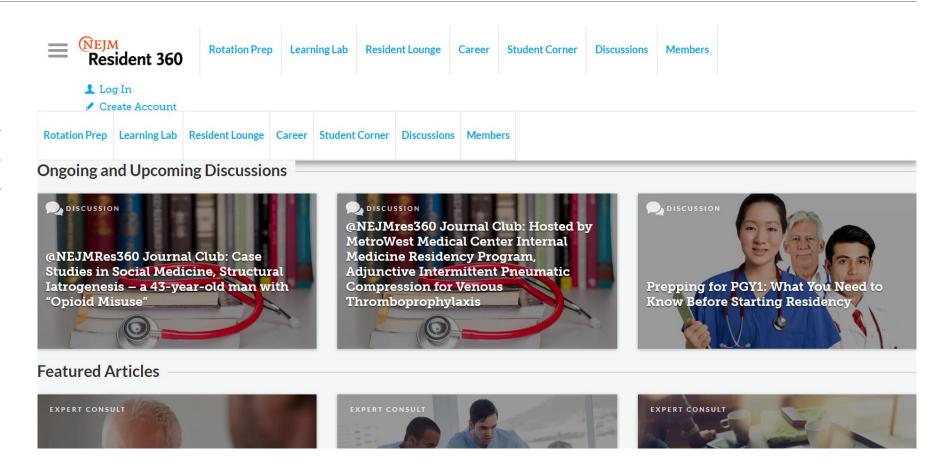
一个网站和社交平台,内科和儿科住院医师可以通过 NEJM 集团编辑的专业资源策划储备知识,建立信心。轮岗准备、学习实验室、住院医师休闲区、职业导航、学生角和讨论等不同板块通过提供有价值的教学和学习工具来支持学习,以实现更具互动性的教育。住院医师和学生可以在注册 IP 地址访问 https://resident360.nejm.org,以创建免费帐户并访问内容。

## NEJM Resident 360

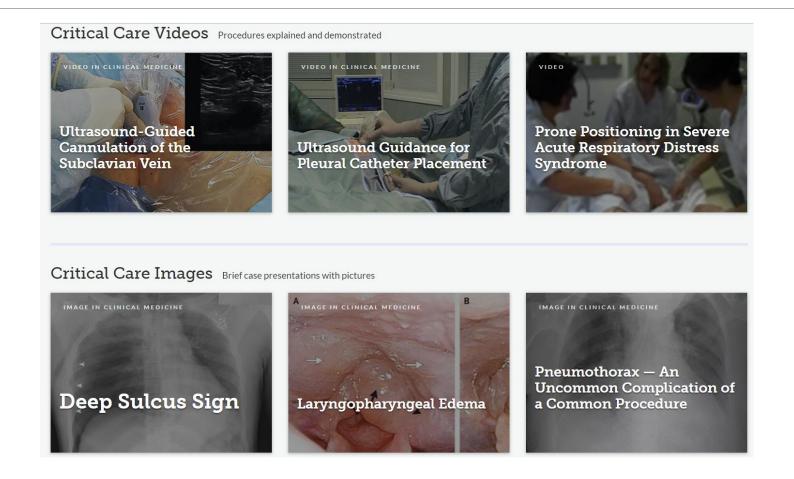


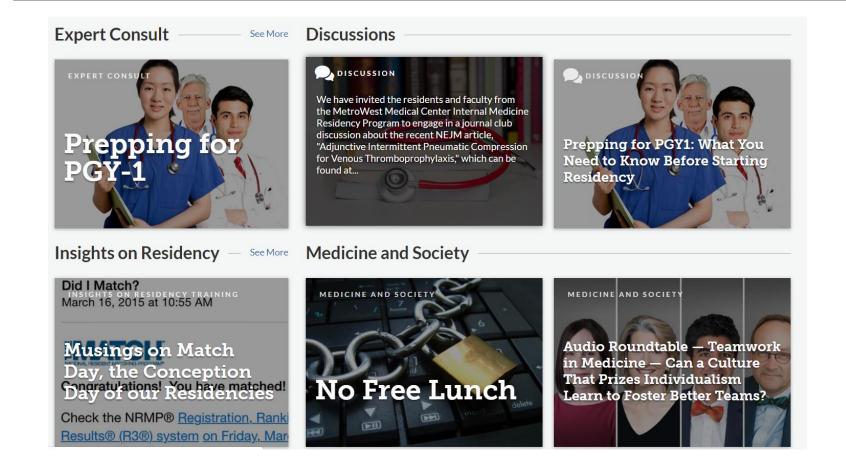


用户注册,就可以通 过机构的网站许可证 免费访问,参与小组 讨论,查看特色期刊



- Fast Facts A brief refresher with useful tables, figures, and research summaries
- Research Landmark clinical trials and other important studies
- Reviews The best overviews of the literature on this topic
- Guidelines The current guidelines from the major specialty associations in the field
- Additional Resources Videos, cases, and other links for more interactive learning









The NEW ENGLAND JOURNAL of MEDICINE 使用



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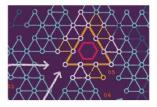
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Information and tools for librarians about site license offerings.

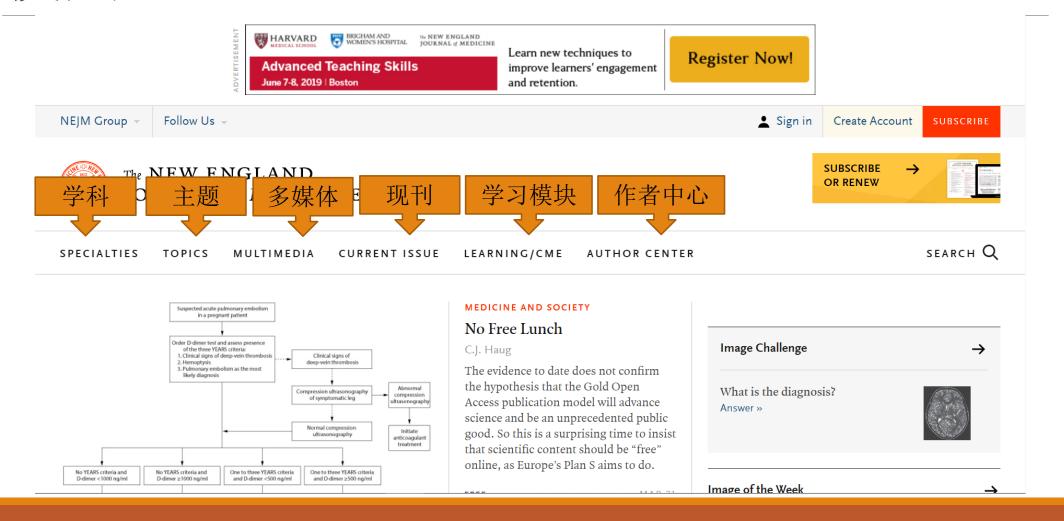
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# 使用NEJM





# 学科分类

### 共19个学科分类,可以查看相应类别的文章

#### SELECTED SPECIALTIES

Allergy/Immunology

Cardiology

Dermatology

**Emergency Medicine** 

Endocrinology

Gastroenterology

Genetics

Geriatrics/Aging

Hematology/Oncology

Infectious Disease

Nephrology

Neurology/Neurosurgery

Obstetrics/Gynecology

Pediatrics

Primary Care/Hospitalist

Psychiatry

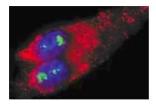
Pulmonary/Critical Care

Rheumatology

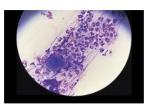
Surgery



Cardiology



Hematology/Oncology



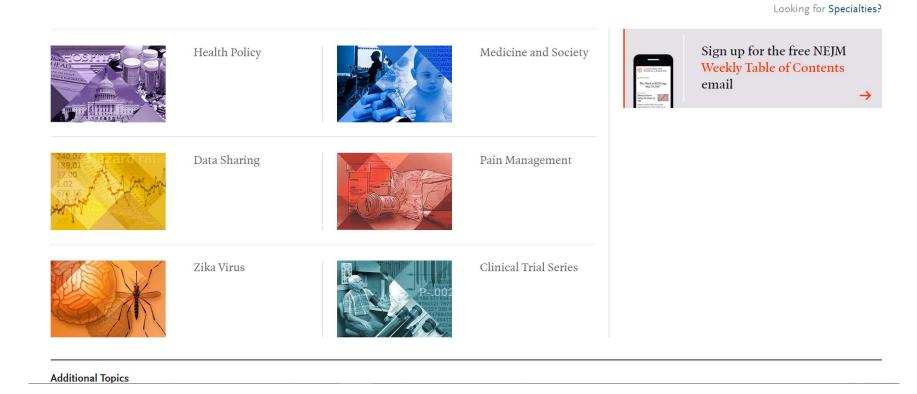
Infectious Disease

VIEW ALL SPECIALTIES

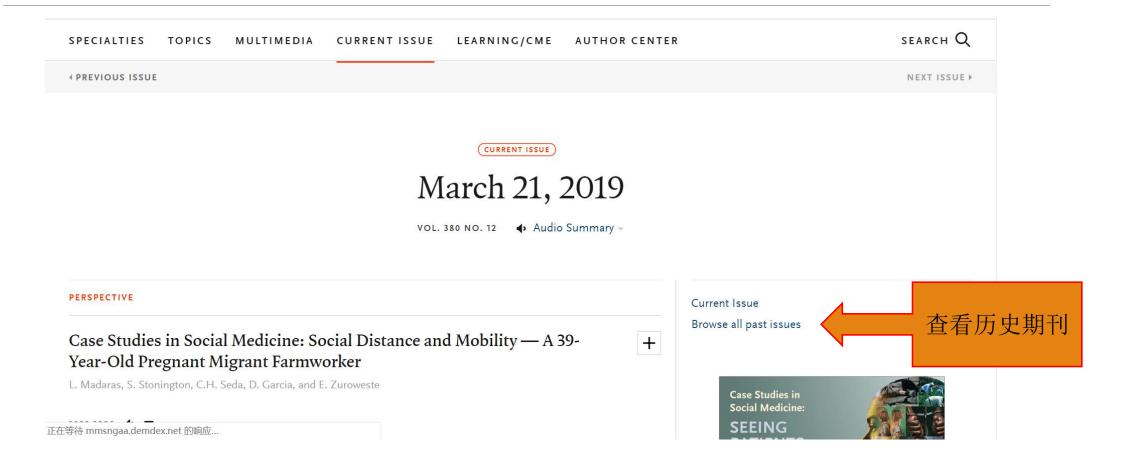


# 主题分类

## Topics

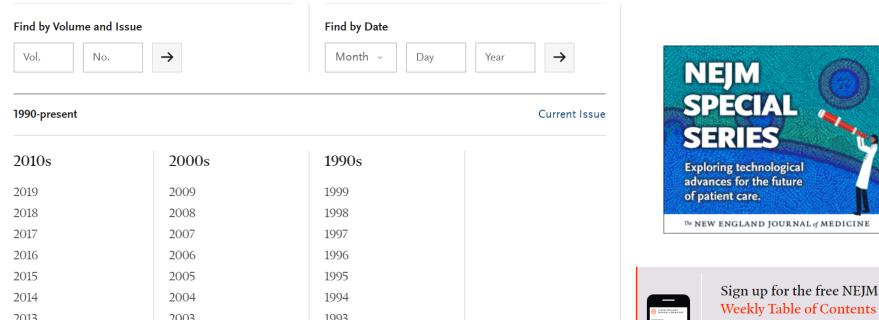


## Current issue



# 查看历史期刊

### Issue Index







# 多媒体

#### REVIEW ARTICLE

FRONTIERS IN MEDICINE

#### Clinical Genome Editing

M.H. Porteus

Therapeutic editing of the human genome has long been a holy grail of genetic medicine. This



## 文章中的多媒体

dystrophy and HIV-1 infection.

◆ G =

MAR 07

#### MEDICINE AND SOCIETY

TEAMWORK - PART 3

#### The Not-My-Problem Problem

L. Rosenbaum

Though medical care has become ever more dependent on teamwork, the profession has devoted relatively little attention to what makes for a good team. In this roundtable discussion moderated



#### QUICK TAKE

Diagnosis of Suspected Pulmonary Embolism during Pregnancy

02:06 MAR 21

#### Image Challenge

## 影像挑战

 $\rightarrow$ 

An 18-year-old man presented to the emergency department with



Interactive Medical Case







Bridging the Gap

Neurosyphilis	•
Neurocysticercosis	•



CME活动,案例,挑战,视频,以及更多来自新英格兰医学杂志的教学工具。



#### Videos in Clinical Medicine



Examination of the Hand and Wrist



Peripheral Nerve Blocks for Hand **Procedures** 



Ultrasound-Guided Cannulation of the Subclavian Vein



Digital Rectal Examination and Anoscopy

10.56

Limbs

Clinical Assessment of

Peripheral Arterial

Disease of the Lower



Ultrasound Guidance for Pleural-Catheter Placement

13.50

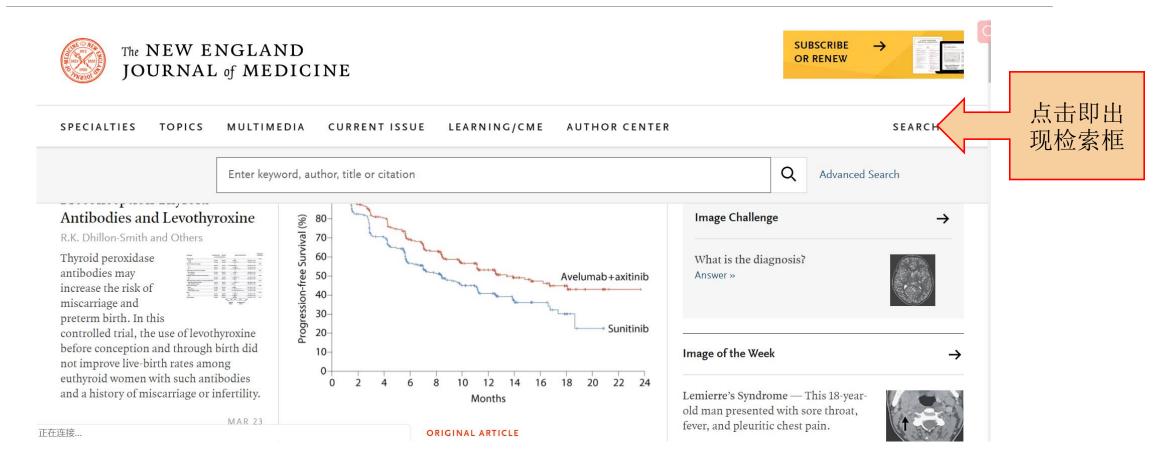
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12.13

16.36

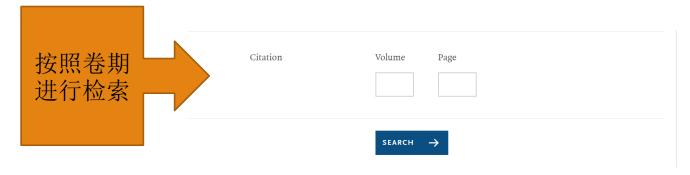
11.54

# 检索功能



# 高级检索

## Advanced Search



Enter as much or as little information as you like. Blank fields will be ignored. Tips for searching. All the words Exact phrase At least one word Without the words Search within Full text Article category All All Dates (1812-Present) Date Search by specific date range

# 检索帮助

## Search Help

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NEJM.org features a vast array of content, dating back to 1812, with powerful capabilities for searching and finding just what you need. Search instructions and tips found below will help to ensure you are searching the site both efficiently and comprehensively.

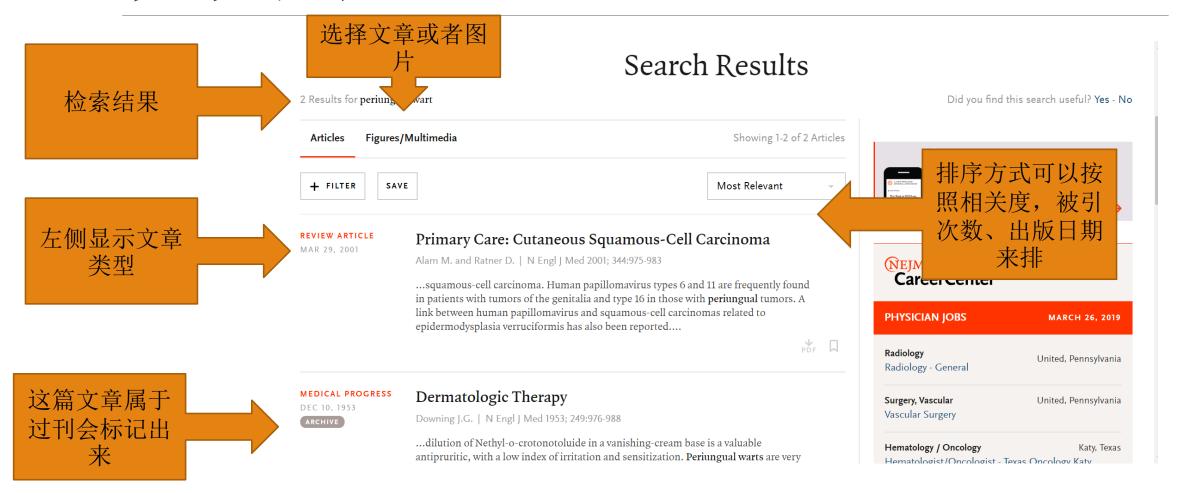
#### General Search

The search box appearing at the top of each NEJM.org page executes a default search, generating results for all medical specialties, all categories, and all years from 1812 through present. Search results pages then present multiple options for additionally filtering and sorting initial search returns. Prebuilt filters that can be applied from initial search results include:

- Articles
- Figures and Multimedia

- Most Cited
- Specialty

# 检索结果



# 查看全文

REVIEW ARTICLE PRIMARY CARE FREE PREVIEW

## Cutaneous Squamous-Cell Carcinoma

Murad Alam, M.D., and Désirée Ratner, M.D.

This article has no abstract; the first 100 words appear below.

Nonmelanoma skin cancer is the most common cancer in the United States, with over 1.3 million cases expected to occur in the year 2001. Approximately 80 percent of nonmelanoma skin cancers are basal-cell carcinomas, and 20 percent are squamous-cell carcinomas. Squamous-cell carcinoma is the second most common cancer among whites. Unlike almost all basal-cell carcinomas, cutaneous squamous-cell carcinomas are associated with a substantial risk of metastasis. IncidenceIn 1994 in the United States, the lifetime risk of squamous-cell carcinoma was 9 to 14 percent among men and 4 to 9 percent among women. Although it is known that this neoplasm . . .

#### March 29, 2001

N Engl J Med 2001; 344:975-983 DOI: 10.1056/NEJM200103293441306

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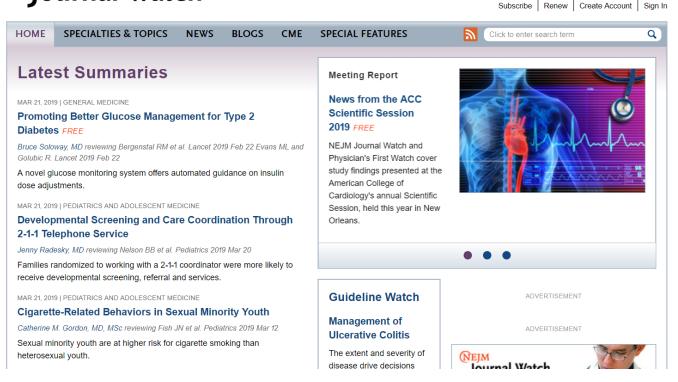
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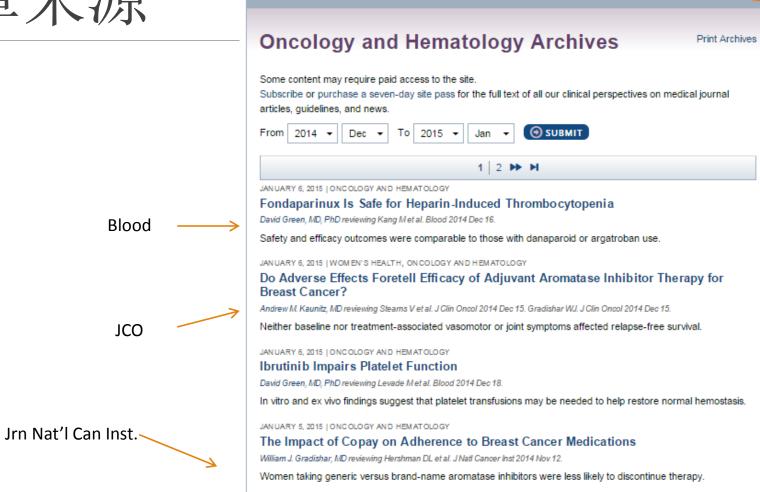
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#### **Exemestane for Premenopausal Breast Cancer**

William J. Gradishar, MD reviewing Pagani O et al. N Engl J Med 2014 Jun 1.

Outcomes were significantly improved with adjuvant exemestane versus tamoxifen in hormone-receptorpositive patients treated with ovarian function suppression.

Premenopausal women with early-stage, hormone-receptor-positive breast cancer will receive a recommendation of tamoxifen for at least 5 years and as long as 10 years. But whether adding ovarian function suppression (OFS) to tamoxifen or using an aromatase inhibitor (AI) with OFS offers an advantage in terms of recurrence or survival in this patient population has not been defined.

Investigators have now conducted two randomized, phase III trials (TEXT and SOFT) to compare tamoxifen plus OFS versus an AI (exemestane) plus OFS in 4690 premenopausal women with hormone-receptorpositive early breast cancer (median age, 43; 42% with node-positive disease; 57% received adjuvant chemotherapy).

After a median follow-up of 68 months, 5-year disease-free survival was significantly better with exemestane than with tamoxifen (91.1% vs. 87.3%; hazard ratio, 0.72 for disease recurrence, second invasive cancer, or death; P<0.001), as was the rate of freedom from breast cancer at 5 years (92.8% vs. 88.8%; HR, 0.66 for recurrence; P<0.001). Overall survival was similar between the groups.

#### COMMENT

These results suggest that exemestane plus OFS may be another option for young patients with hormone-sensitive breast cancer. Of note, the magnitude of benefit derived in this trial from an AI (plus OFS) is similar to the benefit seen in large adjuvant trials of postmenopausal patients comparing tamoxifen with an Al. Not answered by this analysis is whether these results are superior to 10 years of tamoxifen therapy or to 5 years of tamoxifen followed by an AI in patients who become postmenopausal. The potential benefit of adding OFS to endocrine therapy versus tamoxifen alone will be answered by the SOFT trial, perhaps as early as later this year. The adverse-effect profile of an Al in this young population is similar to that observed in older, postmenopausal patients, but whether acceptance will be equivalent in younger patients will require a careful analysis of compliance. Also of note, many patients in these trials did not receive chemotherapy and yet had an excellent prognosis with endocrine therapy alone. This finding emphasizes that not all premenopausal women require

♠ Editor Disclosures at Time of Publication

#### CITATION(S):

Pagani O et al. Adjuvant exemestane with ovarian suppression in premenopausal breast cancer. N Engl J Med 2014 Jun 1; [e-pub ahead of print], (http://dx.doi.org/10.1056/NEJMoa1404037)







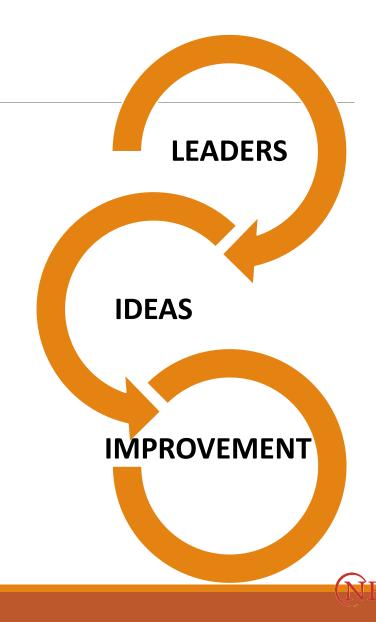


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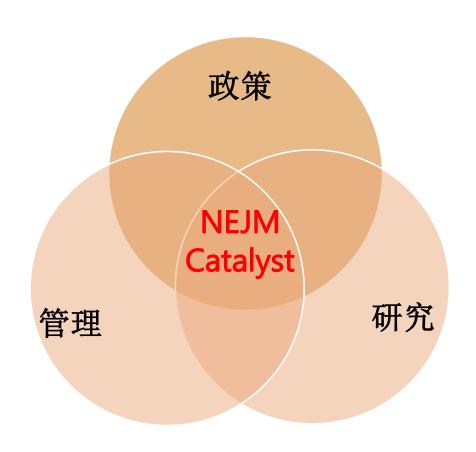
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