



O V I D



O V I D

The Value of e-Books: The Clinical Example

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Regional Director
Central & Eastern Europe
Ovid Technologies**

E-Book Sales Projections and Reality

Projection:

- Ebooks sales to hit \$2.3 billion U.S. in 2005*

Reality:

- Ebooks sales in US in Q1 2004: \$3.2 million**

Continued Growth in Book Revenues

- US sales of scholarly and professional books were up 3.6% in 2003, to \$3.98 Billion*
- Proportion of revenues derived from books in the medical sector (40%) is much higher than in science and technology (14%)*
- Medical book distribution remains principally in printed format

American Association of Publishers, 2003

Role of Books in Science and Technology

- Usage of books in STM varies by discipline
- Some of the most frequent uses:
 - Education
 - Overview for multi-disciplinary study
 - Retrieval of hard data from handbooks
 - Refresh the fundamentals
 - Support research activities

Synoptic Content & Clinicians

- Rapid access format
- Importance varies by position within the professional continuum and current activity
- Quality indicators
 - Authoritative
 - Evidence-based
 - Integrated with clinical experience
 - Patient specific
 - Frequently updated
 - Coincides with local standards of care

Answers to Clinical Questions

- Drug therapy
- Diagnosis
- Treatment
- Patient information (interest to physicians and nurses)

Use of Print Books Continues

- Numerous studies have found that practicing physicians as well as medical students use books as an important resource for answering questions
 - 1997 meta-analysis of information seeking behavior of physicians
 - Same results seen in other 1990 studies
- Use of print documented among nurse practitioners in 2003

Clinicians' behaviours

2003 meta-analysis of 19 studies:

- Most important sources of information for clinicians in order of importance*:
 - Texts
 - Consulting colleagues

**International Journal of Medical Informatics. 71(1):9-15, 2003 Aug*

Evolution of Book Technologies

- Hippocratic corpus begun in 5th Century B.C.E
- *De Viribus Herbarum*, 12th century A.D. published in print 1495
- *The AIDS knowledge base* released in print and on CD-ROM in 1990
- *OMIM (OMIM-Online-Mendelian-Inheritance-in-Man)* on the Internet as of 1995
- 2001 to 2002 *Bulletin of the Medical Library Association* reviews of online and handheld far exceed numbers of CD-ROM products

Innovations to Extend the Value of Books

...beyond accessibility and portability:

- Single repository for multiple content types
- Faster / more accurate retrieval of information with new and enhanced tools (natural language searching)
- Improved currency with more frequent updates
- Broadening the communication potential with 'novel' content types
- Extending research with linking
- Customization tools

API for Workflow Integration

- Single directory to multiple resources (or ‘virtual books’)
- Local portals
- Exposing content via the Electronic Medical Record (EMR) and the Computerized Physician Order Entry (CPOE)
- Deep linking to
 - Clinical guidelines
 - Infection control standards
 - Topical searches
 - Continuing professional education



Quick Search

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ALL DIGITAL LIBRARY RESOURCE TOPICS A-Z >> [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [XYZ](#)

- Home
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- Patient / Family
- Preventive Medicine
- Public Health
- E-Journals
- Search Services
- Medical News
- Continuing Education
- Professional

Digital Library Resource Topics by Category

Clinical Resources

- [General Clinical Resources](#)
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- [Clinical Procedure Resources](#)
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- [All Clinical Resource Topics A-Z](#)
- Clinical Resource Topics by Sub-Category:

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- [Anesthesiology](#)
- [Cardiovascular Disorders](#)
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General Member

Peripheral Arterial Disease

Metabolic Disorders

Clinical Outcomes

Stroke

Nursing

Get With The Guidelines

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PREFACE

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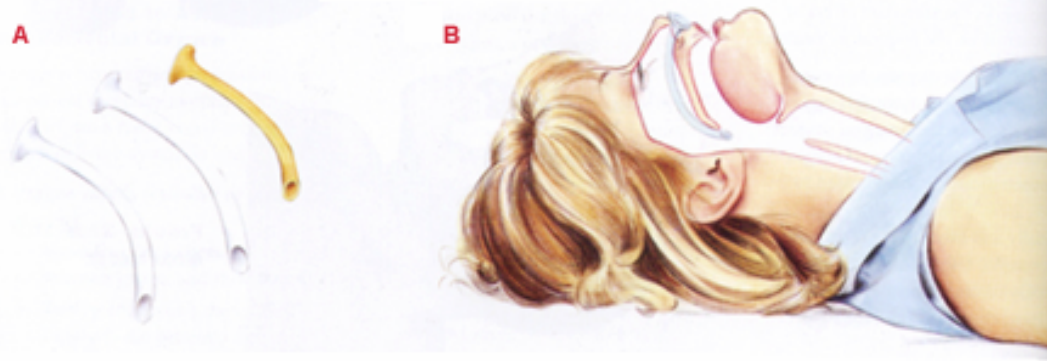
[-] [ACLS Skill 1: Take Care of the Airway](#)











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Figure 4. Oropharyngeal airways. **A**, Four airways; **B**, One airway inserted.






Figure 5. Nasopharyngeal airways. **A**, Three airways; **B**, One airway inserted.




-  Summary Sheet
-  **Problem List**
-  **Allergy Profile**
-  **Medication Profile**
-  Laboratory Results
-  Health Plan
-  Immunization
-  Patient History
-  Demographics
-  Health Maintenance

 **PROBLEM LIST**






NAME OF PROBLEM	LIFE CYCLE	COURSE	ONSET DATE
 Unstable angina	Acute	Acute	05/04/1997
 Cholelithiasis	Resolved	Stable	01/11/1995
 COPD	Chronic	Stable	02/21/1990

- Add problem
- Modify problem
- Problem definition
- Problem history
- Add comment
- Establish relationship
- Sort by
- SKOLAR MD search**
- Properties

 **ALLERGY PROFILE**

SUBSTANCE	STATUS	SEVERITY
 Erythromycin		Mild

 **MEDICATION PROFILE**

CURRENT PRESCRIPTIONS	SIG	RX DATE	STOP DATE
 Metoprolol	50mg po qid	05/04/1997	none
 Aspirin EC	165mg po qd	05/04/1997	none
 Nitroglycerin spray	0.4mg S/L prn	05/04/1997	none
 Ipratropium MDI	1-2 puffs inh prn	02/21/1990	none
PAST PRESCRIPTIONS	SIG	RX DATE	STOP DATE
 Erythromycin	500mg po bd	05/04/1997	07/04/1997

 **CLICK FOR DECISION SUPPORT**

Cross Integration

- Unified repository for multiple content types including books, journals, and databases
- Linking between books and other relevant resource using DOIs and other technologies
- Federated searching of books with other content
- Addition of book content to customized portals

Irwin & Rippe's Intensive Care Medicine

Editor(s): Irwin, Richard S., Rippe, James M.

5th Edition © 2003 Richard S. Irwin and James M. Rippe. Published by Lippincott Williams & Wilkins [View Copyright Statement](#)[\[+\] Principles of Operation](#)[\[+\] Conventional Positive-Pressure Ventilation](#)[\[+\] Disease-Oriented Mechanical Ventilation Strategies](#)[\[+\] Monitoring of the Mechanically Ventilated Patient](#)[Complications](#)37. Hilbert G, Gruson D, Vargas F, et al: Noninvasive ventilation in immunosuppressed patients with pulmonary infiltrates, fever, and acute respiratory failure. *N Engl J Med* 344:481–487, 2001.[Ovid Full Text](#)38. Girou E, Schortgen F, Delclaux C, et al: Association of noninvasive ventilation with nosocomial infections and survival in critically ill patients. *JAMA* 284:2361–2367, 2000.[Ovid Full Text](#)39. Azoulay E, Alberti C, Bornstain C, et al: Improved survival in cancer patients requiring mechanical ventilatory support: impact of noninvasive mechanical ventilatory support. *Crit Care Med* 29:519–525,**Critical Care Medicine**
OFFICIAL JOURNAL OF THE SOCIETY OF CRITICAL CARE MEDICINE

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Volume 29(3) March 2001 pp 519-525

Improved survival in cancer patients requiring mechanical ventilatory support: Impact of noninvasive mechanical ventilatory support

[Clinical Investigations]

Azoulay, Elie MD; Alberti, Corinne MD; Bornstain, Caroline MD; Leleu, Ghislaine MD; Moreau, Delphine MD; Recher, Christian MD; Chevret, Sylvie MD PhD; Le Gall, Jean-Roger MD; Brochard, Laurent MD PhD; Schlemmer, Benoît MD

From the Medical Intensive Care Unit (Drs. Azoulay, Bornstain, Leleu, Moreau, Recher, Le Gall, and Schlemmer) and the Department of Biostatistics (Dr. Chevret), Saint Louis University Hospital and University Paris 7, and U444-INSERM, Medical Intensive Care Unit (Dr. Brochard), Henri Mondor University Hospital and University Paris XII. Assistance publique des hôpitaux de Paris, France.

Upstream management of critically ill cancer patients may increase the chances of longer survival with an acceptable quality of life.

Presented, in part, at the Congress of The French Society of Critical Care Medicine in January 2000.

Address requests for reprints to: Elie Azoulay, MD, Medical ICU, Saint Louis University Hospital, 1 avenue Claude Vellefaux, 75010 Paris, France. E-mail: elie.azoulay@els.ap-hop-paris.fr

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acute exacerbations of COPD: a new standard of care

[Ovid Full Text](#)noninvasive ventilation for treatment of acute respiratory failure in patients with acute respiratory failure in patients on: a randomized trial. *JAMA* 283:235–241, 2000.[Ovid Full Text](#)Comparison of noninvasive positive-pressure ventilation and conventional mechanical ventilation in patients with acute respiratory failure. *N Engl J Med* 339:429–435,[Ovid Full Text](#)



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1	incidence of kidney disease in patients with diabetes Details	569	Display
2	limit 1 to clinical medicine Details	549	Display

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Score: ★★★★★

Natural Language Searching

- Ask a question or describe a topic in ordinary English.
- Synonym expansion – search includes variants and synonyms of terms
 - British spellings, drug names, acronyms and others
- Passage vs. word retrieval
- Relevance ranking



#	Search History	Results	Display
1	Prevention of MI in patients with hypertension	502	Display
2	limit 1 to clinical medicine	468	Display

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 Delete Searches

1. **Source:** *Hurst's The Heart*

Editors: Valentin Fuster, R. Wayne Alexander, Robert A. O'Rourke

Publisher: McGraw-Hill, 2001

Chapter: WOMEN AND CORONARY ARTERY DISEASE

Passage: ... on diagnosis begins with discussion of the ways that CAD presents in asymptomatic women and then reviews models to assess CAD risk with attention to gender. Finally, symptomatic CAD in women is discussed, including the management of the women with angina and myocardial infarction. The chapter closes with an update on gender differences in sudden death. PREVENTION: GENDER-SPECIFIC ISSUES It is especially important to identify women at high risk for CAD for possible primary prevention. Young women with coronary artery mortality⁴ are more likely to have a history of tobacco exposure, obesity, hypertension, diabetes, early menopause, or, less often, cocaine abuse.⁵ These risk factors are also important in predicting nonfatal myocardial infarction. ¹ Gender differences are reviewed in ...

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Score: ★★★★★

2. **Source:** *Oxford Textbook of Clinical Nephrology*

Editors: Alex M. Davison, J. Stewart Cameron, Jean-Pierre Grunfeld, David N.S. Kerr, Eberhard Ritz, Christopher G. Winearls

Publisher: Oxford University Press, 1998

Chapter: Clinical approach to hypertension

Passage: ... over what the target blood pressure should be in treating essential hypertension since it has been suggested that there is a J-shaped curve relating mortality to treated blood pressure. In patients with known ischaemic heart disease the least mortality was seen when the diastolic blood pressure was 85 to 90 mmHg and was significantly greater when the diastolic blood pressure was less than 85 mmHg (Cruickshank et al. 1987). However, a similar pattern was seen in the 'Heart attack primary prevention in hypertension' study, from which patients with ischaemic heart disease were excluded (Wilhelmsen et al. 1987), and others have also been unable to relate increased mortality at lower diastolic pressures to cardiovascular complications at entry (Staessen et al. 1989). It has ...

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Score: ★★★★★

3. **Source:** *Drugs in Pregnancy and Lactation*

Editors: Gerald G. Briggs, Roger K. Freeman, Sumner J. Yaffe

Publisher: Lippincott Williams & Wilkins, 2002

Chapter: TIMOLOL

Passage: ... after myocardial infarction, for the prophylaxis of migraine headache, and topically for the treatment of glaucoma.

[Complete Reference](#) • [Ovid Full Text](#)

Score: ★★★★★

4. **Source:** *Novak's Gynecology*

Editors: Jonathan S. Berek

Publisher: Lippincott Williams & Wilkins, 2002

Chapter: Primary Care in Gynecology

Passage: ... small molecule in biology (33). The dietary influence of cholesterol on atherosclerosis and its relationship to hypertension and cardiovascular events (myocardial infarction and stroke) has been widely debated in both the scientific and lay communities (34). The controversy centers on the influence of dietary cholesterol in risk assessment and prevention of cardiovascular disease (35). Many assume that all cholesterol and fat in the diet have negative health consequences. Furthermore, cholesterol metabolism is complex and our understanding in some cases is extrapolated from animal models. The role of cholesterol testing (who, when, and at what age) is in the debate on overall health consequences. Cholesterol testing is fraught with multiple variables that affect results. The

and then reviews models to assess CAD risk with attention

Multimedia and Other Novel Content

- Video and sound files
- Linking to cited URLs
- Calculators and drug interaction checkers
- Patient and physician advisories
- Integrated updates

Cancer: Principles & Practice of Oncology

Editor(s): DeVita, Vincent T., Hellman, Samuel, Rosenberg, Steven A.

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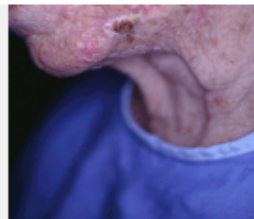
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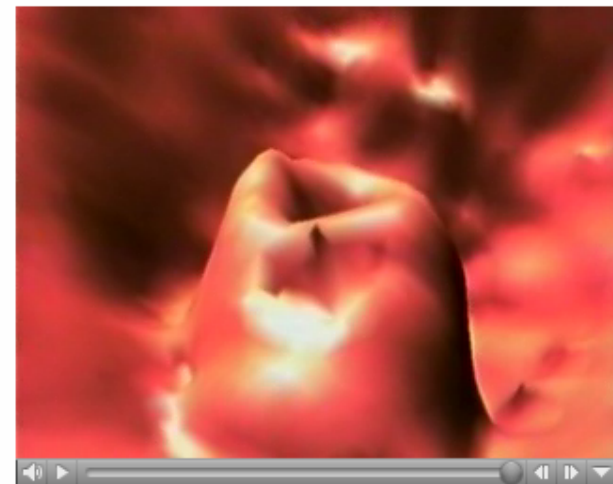
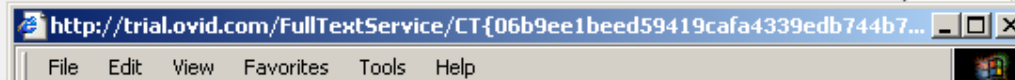
Exploratory Laparoscopy Video.

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Tumor Resection Video.

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Virtual Endoscopy Video.



Pediatric Primary Care: Well-Child Care

Editor(s): Baker, Raymond C.

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Search:

- III. Approach to Prevention

- IV. Pediatrician's Role

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Scientific Data, Statistics, and Surveillance

Interactive Statistics and Mapping Systems

WISQARS™

- [WISQARS™](#) (Web-based Injury Statistics Query and Reporting System) is the Injury Center's interactive, online database that provides customized injury-related [mortality data](#) and [nonfatal injury data](#). This data is useful for research and for making informed public health decisions.
- [Injury Maps](#), the Injury Center's interactive mapping system, helps you identify and communicate the impact of injury deaths in your county, state, region, or the entire United States. The system provides the geographic distribution of injury-related mortality rates in the United States and allows you to use the mortality rates to form maps. You can create and print county-level and state-level maps of age-adjusted injury mortality rates for the entire United States and for individual states.

INJURY MAPS

Web Site

<http://www.cdc.gov/ncipc/osp/data.htm> (CDC National Center for Injury Prevention & Control)

The Future of the E-Book

- Unified repository for content – books, journals and beyond
- Personalization of the user experience to support variations in experience, roles, and standards of care
- Dynamic tools for selection, extraction and dissemination
- Beyond portability to expose answers, relationships, and extend research for true work flow integration



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Questions?

Thank You!

