# **Evidence Based Dentistry**

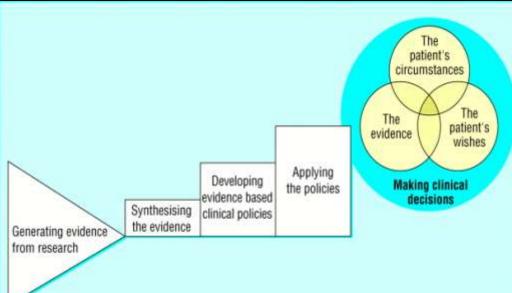
# Applying and learning EBM - current activities worldwide

# Asbjorn Jokstad University of Oslo, Norway

23 Aug 2001

1. By accepting and applying practice protocols, policies and guidelines based on evidence-based

principles





fdi C National and International Guidelines & Statements, Position papers, Proceedings, Systematic reviews, National and International Guidelines & Statements, Meta-analyses



Patient issues Public health issues Precautions in the dental office Materials, techniques & procedures Specialised procedures Education & Scientific issues Dentists' world

#### Patient issues

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	Public health iss	sues <mark>[Top]</mark>			
	Temporomandibu	llar dysfunction	[World]	[FDI]	
	Saliva and oral he	alth	[World]	[FDI]	
	Oral mucosal prol	olems	[World]	[FDI]	
	Odontophobia, ps	sychology, fear	[World]	[FDI]	
	Emergency treatn	nent	[World]	[FDI]	
	Disabled patients		[World]	[FDI]	
	Dental erosion		[World]	[FDI]	[FDI statement]
	Endocarditis		[World]	[FDI]	





💈 Bookmarks - 🤳 Location: http://www.fdi.org.uk/guidelines/tmd\_1.html

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			tmd					<b></b>
Original title	Туре	Country	Source	Publish	Authors	http	ISDN	
Zähneknirschen und Zähnepressen - wie wirken sich solche Gewohnheiten auf unsere Gesundheit aus? [Tooth bruxing and tooth clenching - how does it affects our health?]	Statement	Germany/Deutschland	DGZMK, Deutsche Gesellschaft für Zahn-, Mund- und Kieferheilkunde		Kluge AM	DGZMK, Deutsche Gesellschaft für Zahn-, Mund- und Kieferheilkunde		
The scope of TMD/orofacial pain (head and neck pain management) in contemporary dental practice	Review	USA	American Academy of Orofacial Pain	J Orofacial Pain 1999; 11: 78-83		<u>UI: 99264717</u>		
Guide to evaluation of permanent impairment of the temporomandibular joint	Guidelines	USA	American Acad Head, Neok and Facial Pain /Amer Acad Orofacial Pain/ Amer Acad Pain Manag Amer Coll Prosthod/ Amer Equilib Soc / Amer Soc Maxillofac Surg/ Amer Soc Temporomand Joint Surg/ Int Coll Cranio-mandibular Orthoped/ Soc Occlusal Stud	Cranio 1997; 15: 170-8	Phillips DJ Jr, Gelb M, Brown CR, Kinderknecht KE, Neff PA, Kirk WS Jr, Schellhas KP, Biggs JH 3rd, Williams B	<u>UI: 98247668</u>		
i Temporomandibular disorders	Policy Statement	International	AADR, American Association for Dental Research			AADR		
i Evidence-based evaluation of three imaging methods for the temporomandibular disc.	systematic Review	Sweden/Sverige		Dentomaxillofac Radiol 1996 Nov; 25(5): 234-41	Liedberg J, Panmekiate S, Petersson A, Rohlin M.	<u>UI: 97304901</u>		
Orofacial pain: guidelines for assessment, diagnosis, and management	Guidelines	USA	American Academy of Orofacial Pain	Chicago: Quintessence Publishing Co	Okeson JP, McNeill C		0867153121	
Management of Temporomandibular Disorders	Review/Statements	USA	NIH, National Institutes of Health	Oral Surg Oral Med Oral Pathol Oral Radiol Endod 1996; 83: 1-190		NIH		
Temporomandibular Disorder Prosthodotnics: Treatment and Management Goals	Review/Guidelines	USA	American College of Prosthodontists. Committee on TMD	J Prosthodont 1995; 4: 58-64		<u>UI: 95400466</u>		
Toward an international consensus on temporomandibular joint surgery	Proceedings	International	Second International Consensus Meeting, April 1992, Buenos Aires, Argentina	Int J Oral Maxillofac Surg 1993; 22: 78-81	Goss AN	<u>UI: 93308383</u>		
Temporomandibular disorders: guidelines for the classification, assessment and management	Guidelines	USA	American Academy of Orofacial Pain	Chicago: Quintessence Publishing Co	Okeson JP, McNeill C			
Treatment of temporomandibular	Proceedings	USA	American Academy of Pediatric	J Am Dent Assoc		PMID: 2179356		-
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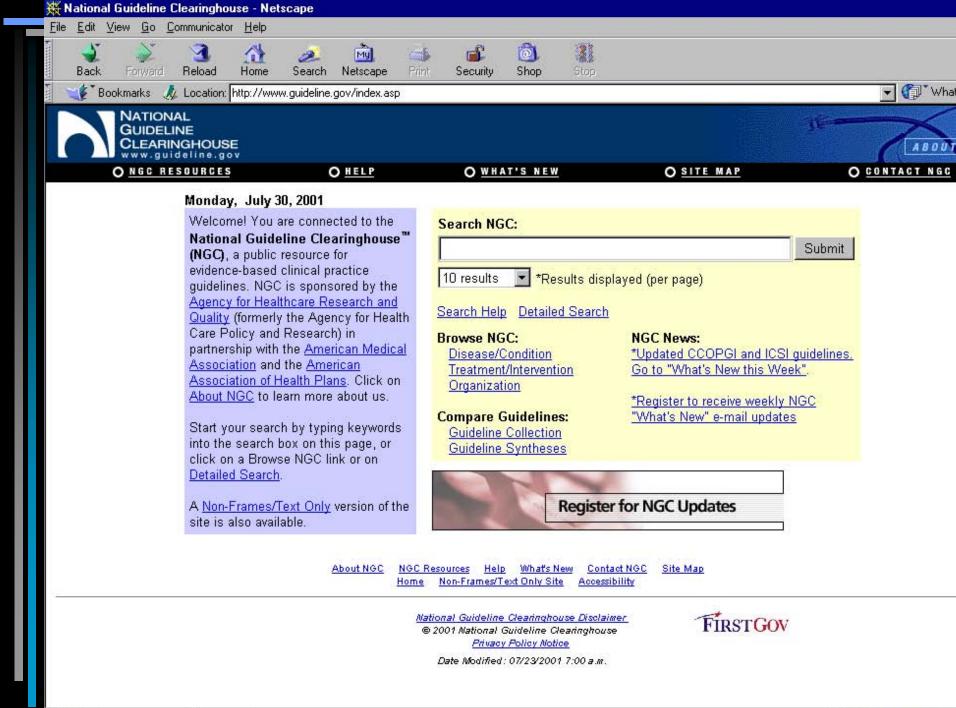
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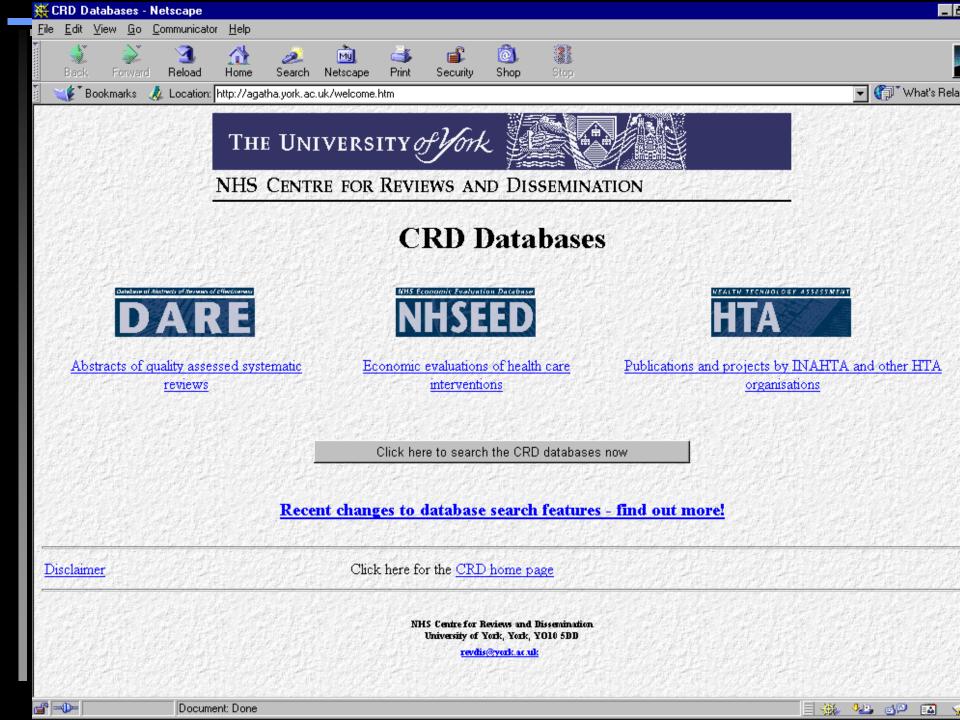
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**Quality Assessment** 

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#### All Databases (DARE, NHS EED, HTA) Dentistry/All fields OR Dental/All fields OR Oral(w)health/All fields - 180 Hits (1-12)

 (Record 1)
 Oral implants II - systematic review, expert panel. Comite d'Evaluation et de Diffusion des Innovations Technologiques (CEDIT) 1996.

 (Record 2)
 <u>Appropriate use of materials for dental reconstruction.</u> Health Council of the Netherlands, Gezondheidsraad (GR) 1998.

 (Record 3)
 <u>Application and costs of 2 types of dental implants compared to conventional prosthesis - primary research.</u> Health Care Insurance Board/College voor zorgverzekeringen (CVZ) 1995.

 (Record 4)
 <u>The safety of dental amalgam: a state of the art review - nonsystematic review.</u> Conseil d'Evaluation des Technologies de la Sante du Quebec. Conseil d'Evaluation des Technologies de la Sante du Quebec (CETS) 1997: 74.

 (Record 5)
 Oral health care technology. Vehmanen R. Finnish Office for Health Care Technology Assessment (FinOHTA) 1997 (FinOHTA Report No. 6): 48.

(Record 6)
Oral implantology. Current state of knowledge.

Bory, E, Durieux, P. L'Agence Nationale d'Accreditation d'Evaluation en Sante (ANAES) 1993: 87.

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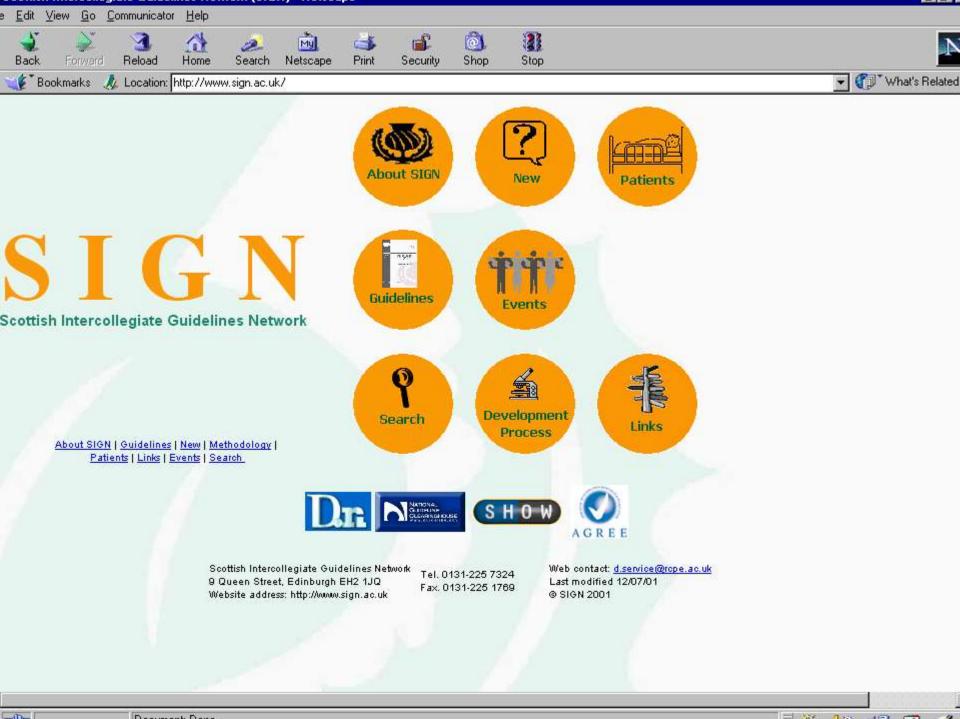
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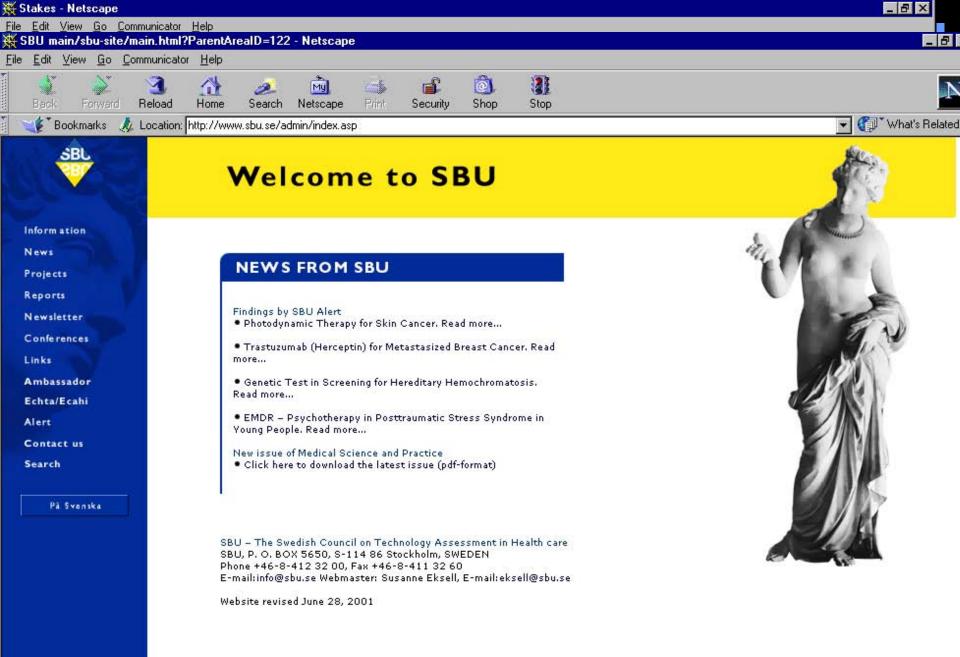
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### SBU: Evidensbaserad Tandvård

Statens beredning för medicinsk utvärdering o, 114 86 Stockholm • Besöksadress: Tyrgatan 7 : 08-412 32 00 • Fax: 08-411 32 60 : www.sbu.se • E-mail: info@sbu.se



amordnare för tandvårdsområdet: Susanna Axelsson, tandläkare, e-mail: axelsson@sbu.se

# Evidensbaserad TANDVÅRD

# ensbaserad tandvård

vetenskapligt underlag finns för lens olika metoder? Vilka områden angelägna för utvärdering? utvärderar sjukvårdens och tandvårtoder. Beställ nya SBU-rapporten Behov av utvärdering i tandvården på medföljande svarskupong. Du kan också försäkra dig om kontinuerlig information från SBU genom att anmäla dig till SBU:s adresslista.

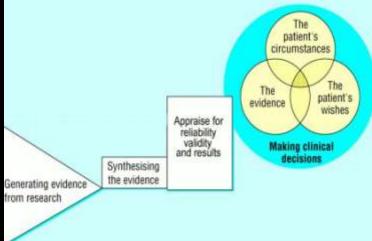
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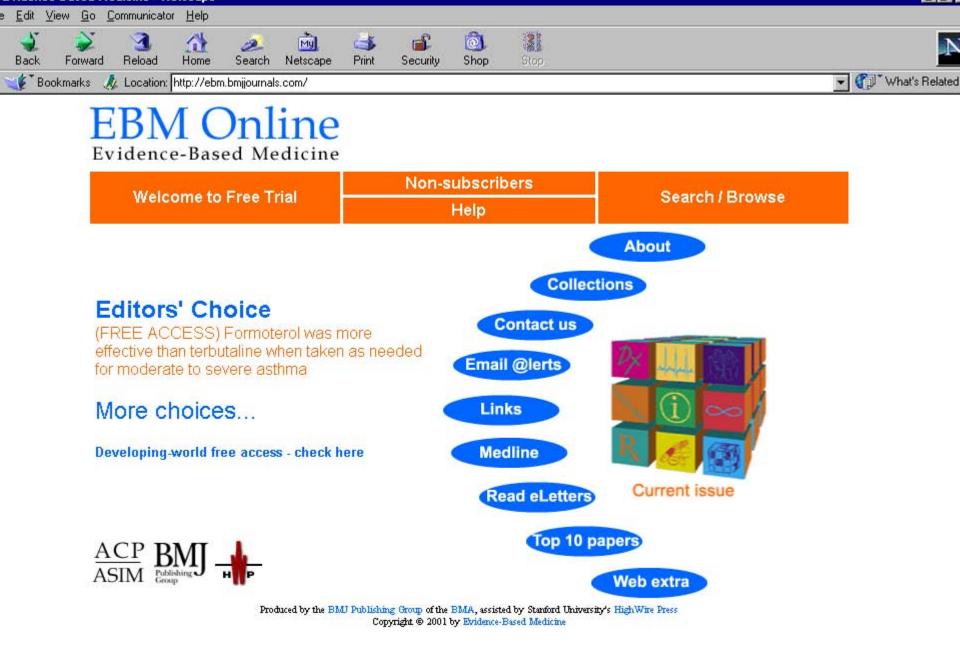
Behov av utvärdering i tandvården

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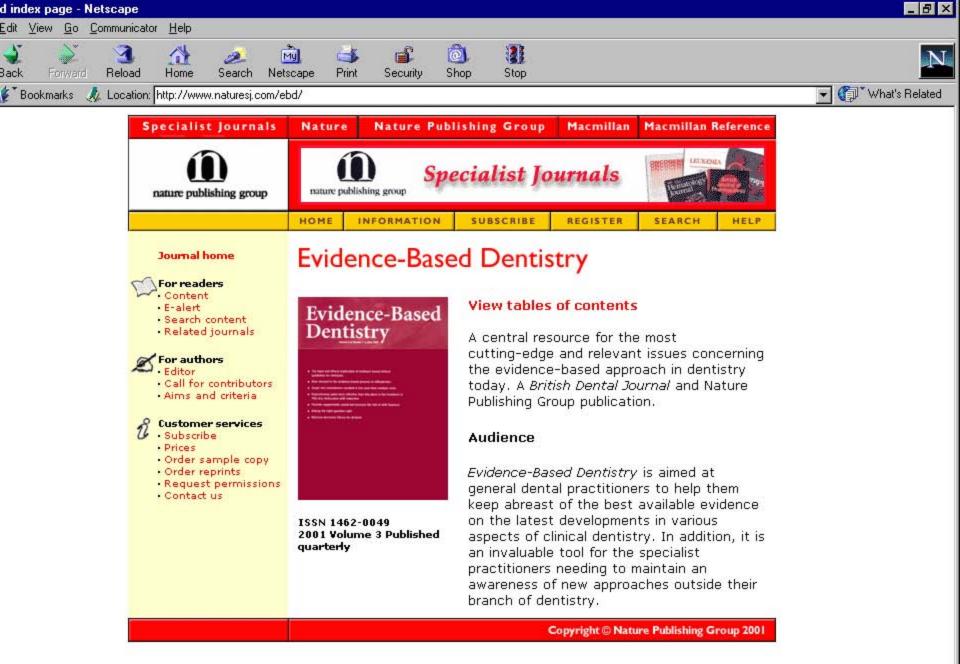
. By seeking and applying evidencebased dentistry summaries generated by others

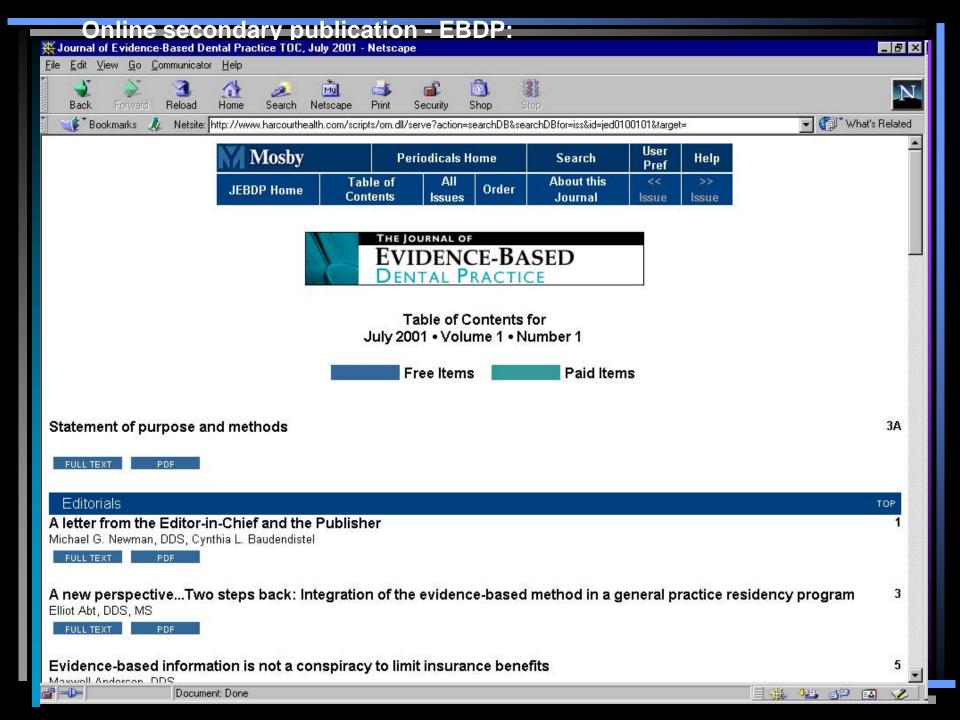
• Journals that critically appraise primary studies





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### Bandolier Evidence-based health care

Journal, Aug 2001 (#90) \_NEW ,

All muck and no brass (Editorial) Fibromyalgia: diagnosis and treatment Acupuncture for fibromyalgia Dexamethasone and chemotherapy nausea and vomiting Prediction from RCTs Diagnostic tool for erectile function When to measure bone density Book reviews Event announcements

<u>What's new on this site in August NEW /</u> Top ten stories last month

Web essays <u>NEW</u> <u>A healthy pregnancy</u> <u>Healthy post natal care</u> <u>Weight control</u> <u>Diagnostic testing</u>

Bandolier's 10 steps to healthy living

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<u>About Bandolier</u> and <u>subscribing</u> <u>Pain Research</u> - visit our home

Email for monthly update

Special resource centres Centres UPDATED regularly Arthritis, bones and joints Atrial fibrillation Cardiac Complementary Diagnostics Healthy living Management Migraine Older people Oxford Pain Internet Site Palliative care Sexual health Stroke Vaccines Web essays

Centres that need more work Allergy, asthma and respiratory Cancer Dental Drug abuse EBM stories and topics (PDF) ENT Family health Gastrointestinal Genetics Men's health Mental health Neurological NNTs. Operations and consequences Trial Methods etc Urinary Women's Health Book reviews

# search entire site

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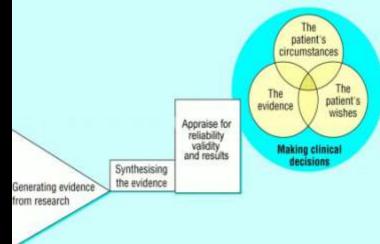
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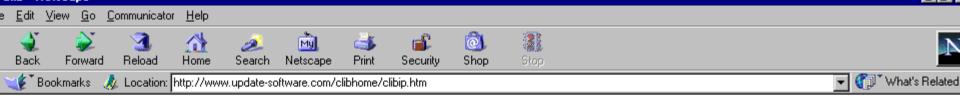
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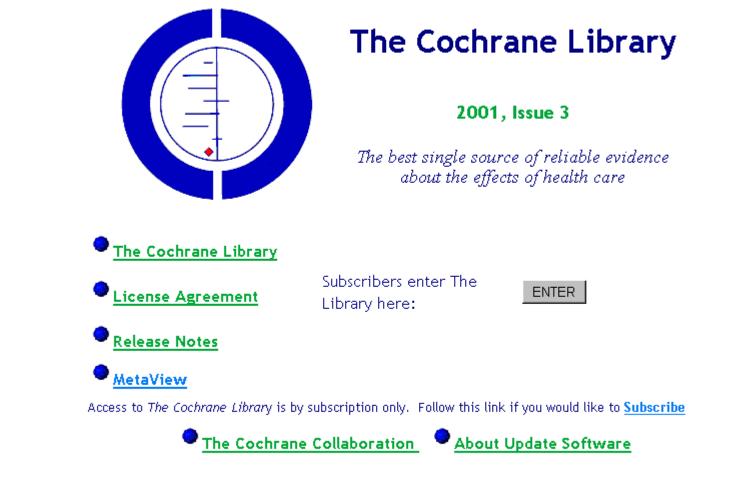
. By accepting and applying practice protocols, policies and guidelines based on evidence-based principles

- 2. By seeking and applying evidencebased dentistry summaries generated by others
  - Journals that critically appraise primary studies
  - Systematic reviews
    - Cochrane Collaboration
    - NHS R&D
    - Literature

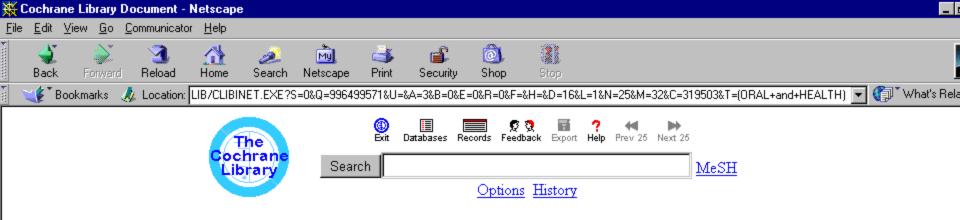


What are Systematic Reviews Clear statement of purpose and scope Comprehensive search and retrieval of the relevant research Explicit selection criteria Critical appraisal of the primary studies Reproducible decisions regarding relevance, selection, and methodologic rigor of the primary research When quantitative methodology applied -> meta-analysis 19





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# **Cochrane Oral Health Group**

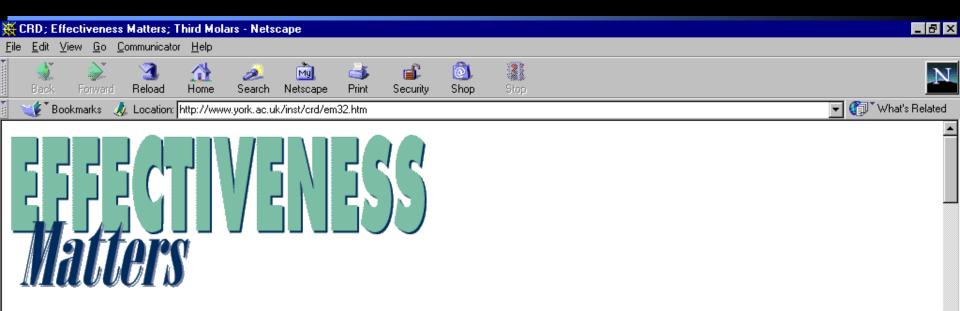
This document should be cited as: Shaw WC, Worthington HV, Harrison J, Clarkson JE, Chan ES-Y, Antezak-Bouckoms A, Tavender EJ, Bickley SR. Cochrane Oral Health Group. In: *The Cochrane Library*, Issue 3, 2001. Oxford: Update Software.

### **Contact address :**

Miss Emma Tavender Review Group Co-ordinator Cochrane Oral Health Group University Dental Hospital of Manchester Higher Cambridge Street Manchester UK M15 6FH Telephone: +44 161 275 7818 Facsimile: +44 161 275 7815 E-mail: emma.tavender@man.ac.uk

# What's new

NEW REVIEWS Interventions for the treatment of burning mouth syndrome NEW PROTOCOLS Pulp treatment for extensive decay in primary teeth



NHS Centre for Reviews and Dissemination, The University of York Vol 3, Issue 2, October 1998

# Prophylactic Removal of Impacted Third Molars: is it Justified?

- · Third molar surgery rates vary widely across the UK.
- Around 35% of third molars removed for prophylactic purposes in the UK are disease free.
- Surgical removal of third molars can only be justified when clear long term benefit to the patient is expected.
- It is not possible to predict reliably whether impacted third molars will develop pathological changes if they are not removed.
- There are no randomised controlled studies to compare the long term outcome of early removal with retention of pathology free third molars.

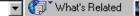
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# NHS Centre for Reviews and Dissemination-York:

#### 🔆 EHCB 5(2): Dental Restoration: What Type of Filling? - Netscape

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NHS CENTRE FOR REVIEWS AND DISSEMINATION

# EFFECTIVE HEALTH CARE

APRIL 1999 VOLUME 5 NUMBER 2

Bulletin on the effectiveness of health service interventions for decision makers

NHS Centre for Reviews and Dissemination University of York

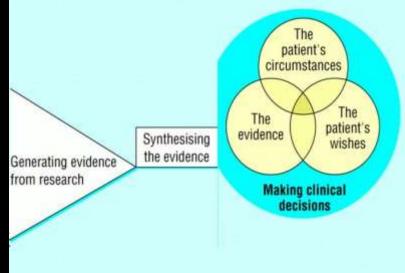
# **Dental Restoration: What Type of Filling?**

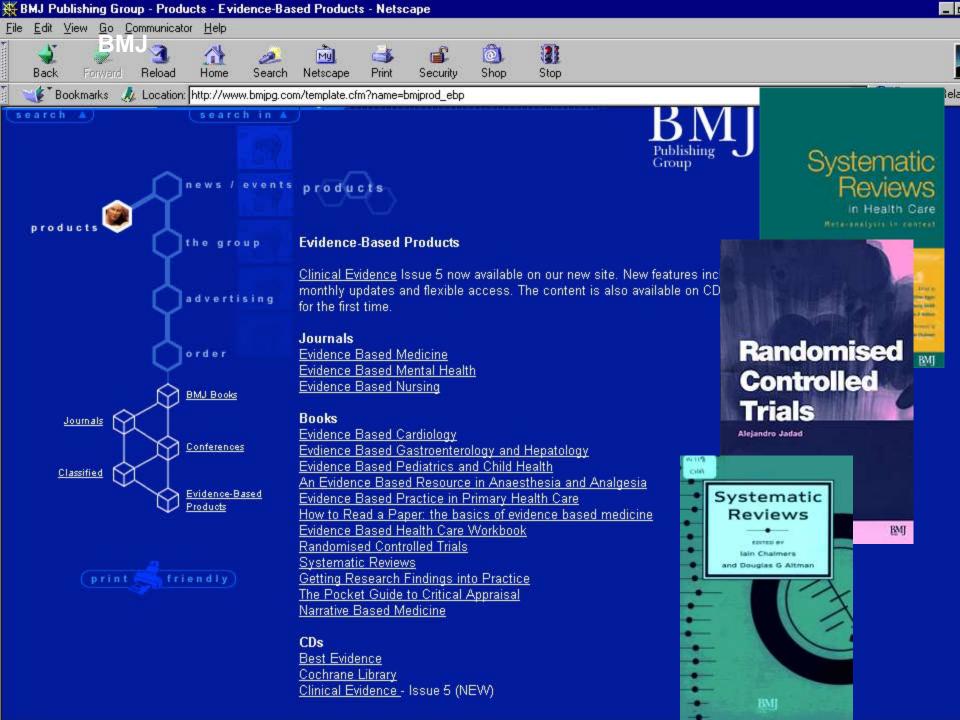
• Tooth decay is one of the most common diseases and accounts for almost half of all tooth extractions. The treatment of tooth decay by the placement of simple, direct restorations (fillings) alone costs the NHS in England & Wales £173 million per year.

Dental restorations do not last forever; over 60% of all restorative dentistry is for the replacement of restorations.

New restorative materials are often marketed and introduced into practice with limited evidence on their long-term clinical performance.

# 3. By learning how to practice evidence- based dentistry ourselves Books





🗿 Evidence-Based Medicine - Microsoft Internet Explorer

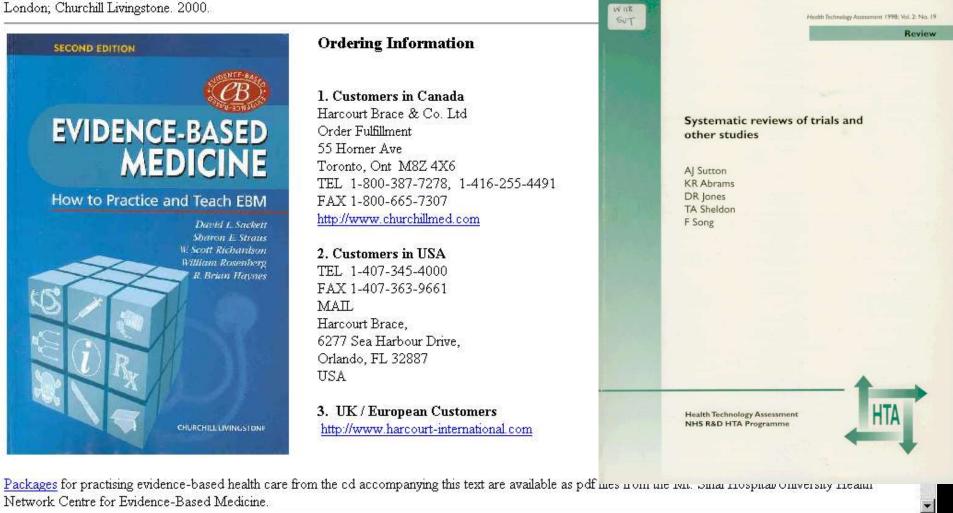
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Address 🖉 http://hiru.mcmaster.ca/ebm.htm

### Evidence-Based Medicine: How to Practice and Teach EBM (2nd Edition)

by Sackett DL, Straus S, Richardson S, Rosenberg W, Haynes RB.

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# 3. By learning how to practice evidence- based dentistry ourselves -Books -Seminars

Generating evidence from research

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Centre for Evidence-Based Medicine - Netscape	
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# **Centre for Evidence-Based Medicine**



Last update 12th September 1999

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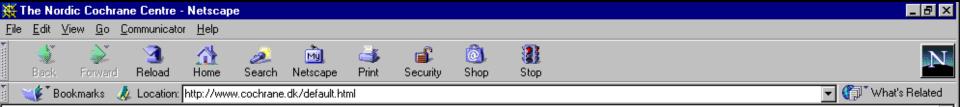
# What's New?

- A new course, Clinical Research Methods applied to Randomised Controlled Trials and Systematic Reviews, is starting in October. <u>Click here</u> to find out more
- Do you think we should run a workshop on how to practice EBM in April 2000? If so, tell Olive!
- If you were at the Future of EBM conference in May, <u>click here</u> to choose your pictures.
- A new project: Evidence-Based On Call (EBOC) has just begun here at the Centre, creating accurate, up-to-date evidence-based information for clinicians.

#### Contents

6 -

- <u>Centre for Evidence-Based Medicine</u>, the what, who, where and why.
- How to Practice and Teach Evidence-Based Medicine, support materials for the book by Sackett, Richardson, Rosenberg and Haynes.





# THE NORDIC COCHRANE CENTRE

Rigshospitalet, Dept. 7112, Blegdamsvej 9, DK-2100 Copenhagen Ø, DENMARK Tel: +45 35 45 55 71, Fax: +45 35 45 70 07, E-mail: general@cochrane.dk

Courses Nordic News About NCC	EBM Brochures	Links
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This web site is specifically about The Nordic Cochrane Centre.

The international Cochrane Collaboration site contains a large variety of general information, including how to get involved.

#### SITE NEWS:

21 May 2001 Information about the Workshop on Cochrane editing added.

### CONTENTS:

Find information about workshops and meetings under <u>Courses and</u> events.

Nordic Cochrane News is the centre's newsletter.

The background information about the

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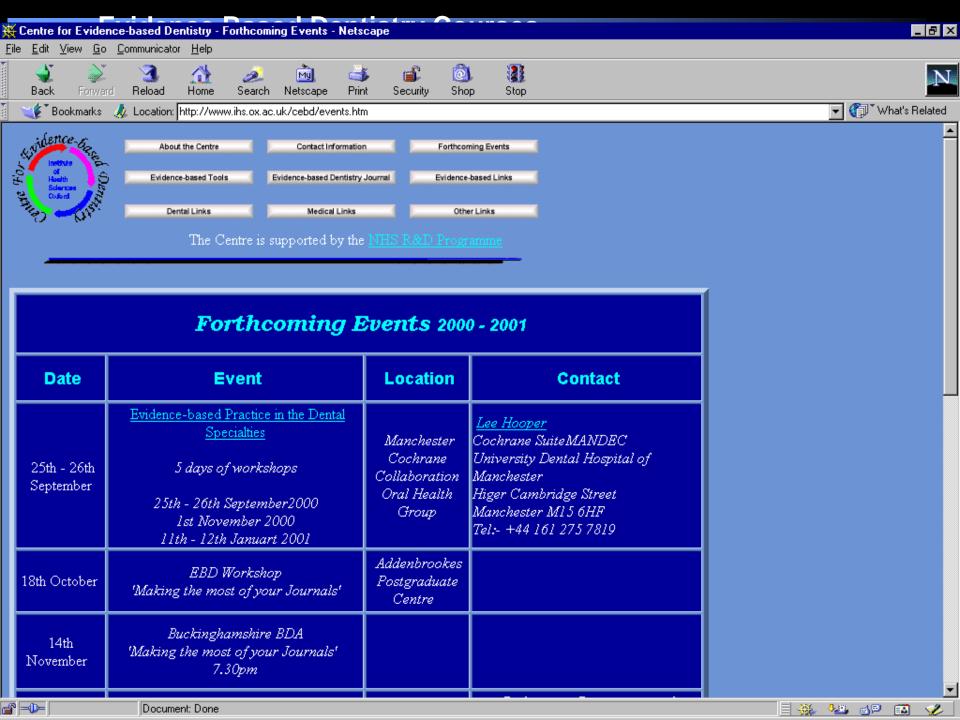
The Nordic Cochrane Centre (NCC) is part of <u>The Cochrane Collaboration</u>, an international network of individuals and institutions committed to preparing, maintaining, and disseminating systematic reviews of the effects of health care.

The main offices are located in Copenhagen, Denmark, with national branches in Finland, Norway and Russia. Finnish Branch, Helsinki Oslo Norwegian Branch, Dslo Russian Branch, Moscow

There are currently three <u>Collaborative Review Groups</u> and three <u>Methods Groups</u> located in the Nordic region.

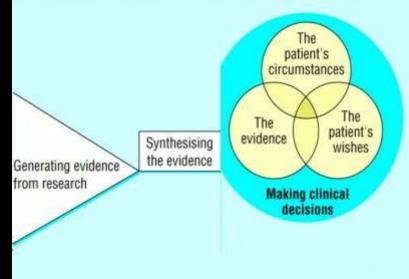
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<u>Cochrane</u> <u>Collaboration</u> Group Details	The Cochrane Collaboration	
<u>Oral Health</u> <u>Trials Register</u>	The Cochrane Collaboration is an international organisation that aims to help people make well-informed decisions about healthcare by preparing, maintaining and promoting the accessibility of systematic reviews of the effects of healthcare interventions. The main work of the Collaboration is done by approximately fifty Collaborative Review Groups, within which Cochrane Reviews are prepared and maintained. The Cochrane Oral Health Review Group aims to produce systematic reviews which primarily include all randomised control trials (RCT).	d.
<u>Reviews &amp;</u> <u>Protocols</u> <u>Newsletters</u>	of oral health. Oral health is broadly conceived to include the prevention, treatment and rehabilitation of oral, dental and craniofacial diseases and disorders.	_
<u>Glossary</u>	Scope of the Group	
<u>Ways to get</u> <u>involved</u>	The Cochrane Oral Health Group aims to produce systematic reviews which primarily include all randomised controlled trials (RCT's) of oral health. Oral health is broadly conceived to include the prevention, treatment and rehabilitation of oral, dental and craniofacial disease and disorders.	
<u>Links to</u> <u>Cochrane</u> <u>resources &amp; sites</u>		
<u>of general</u> <u>interest</u>	• Course on Evidence Based Practice in the Dental Specialties	
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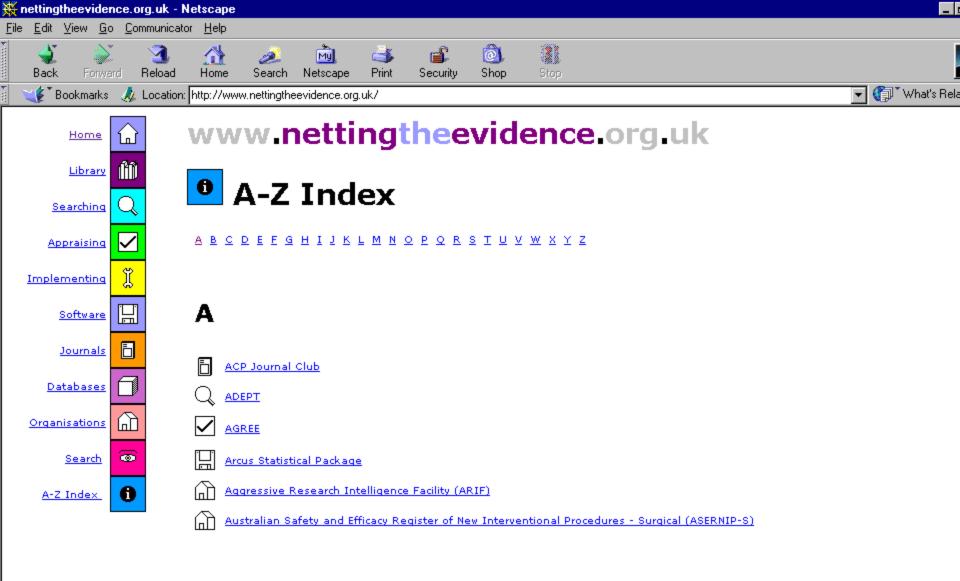


# 3. By learning how to practice evidence-based dentistry ourselves

- -Books
- -Seminars
- -Internet
  - Online link banks



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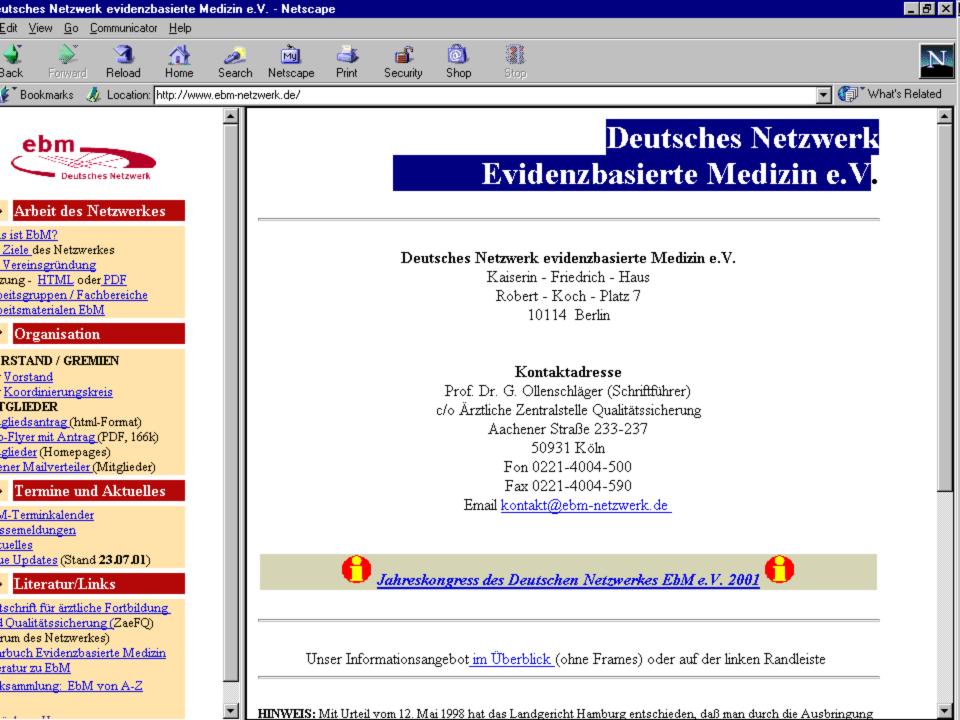


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 Bedside Diagnosis

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Gruppo Italiano per la Medicina Basata sulle Evidenze

Evidence-Based Medicine Italian Group

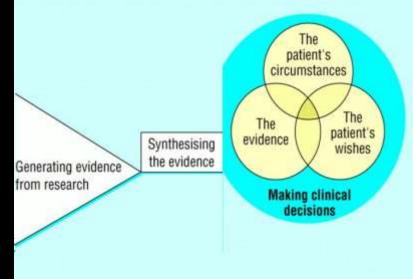
#### erie di articoli

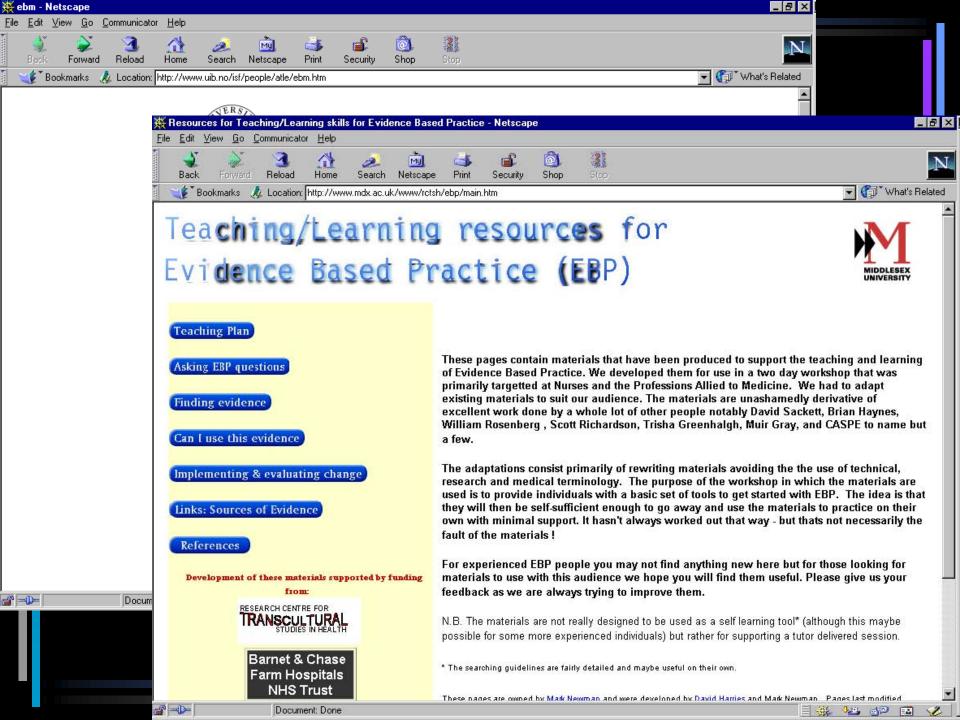
Approccio Critico alla Letteratura Biomedica	Evidence-based Medicine (generali)
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BMJ 1997	BMJ 1998
<u>User's Guide to Biomedical Literature</u>	Evidence-based Care
JAMA 1993-2000	CMAJ 1994
<u>How to read clinical journals</u>	<u>Research Methods in Primary Care</u>
Ann Intem Med 1986	Br J Gen Pract 1998
How to keep up with the medical literature	Evidence and primary care
CMAJ 1981-84	Lancet 1999
<u>Evidence Based Critical Care Medicine</u>	Review on evidence-based cancer medicine
Crit Care Med 1996-98	Ann Oncol 1998-99
<u>Basic statistics for clinicians</u>	<u>Evidence-based Medicine in Primary Care</u>
CMAJ 1995	J Am Board Fam Pract 1998-2000
<u>Statistic notes</u> BMJ 1994-2000	The What is?series

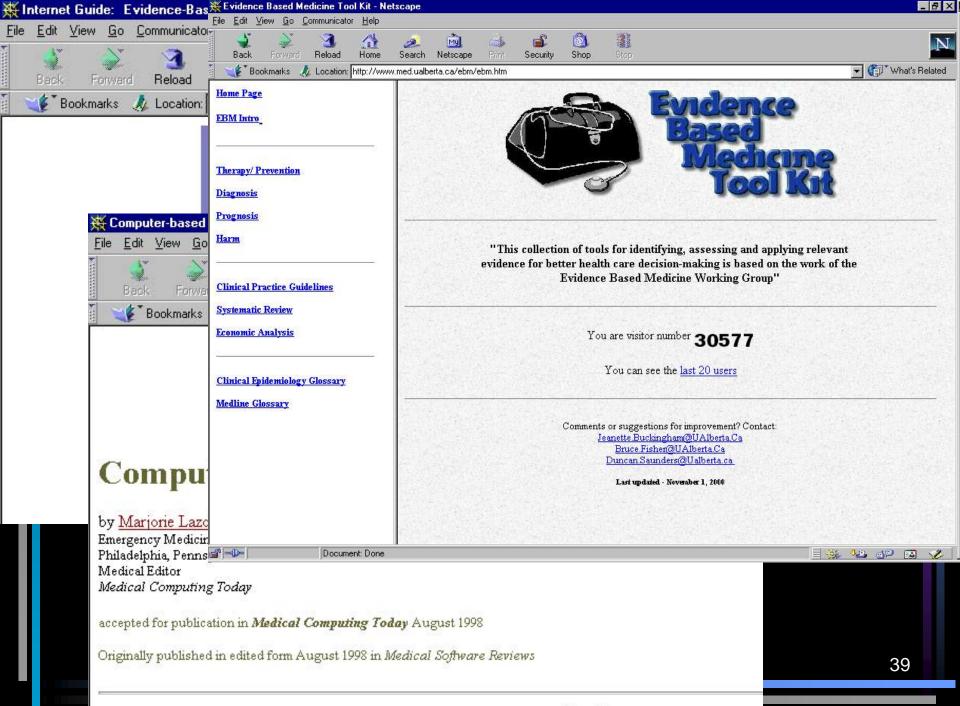
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<u>Meta-analysis</u> BMJ 1997-98	The Rational Clinical Examination JAMA 1992-99
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# 3. By learning how to practice evidence-based dentistry ourselves

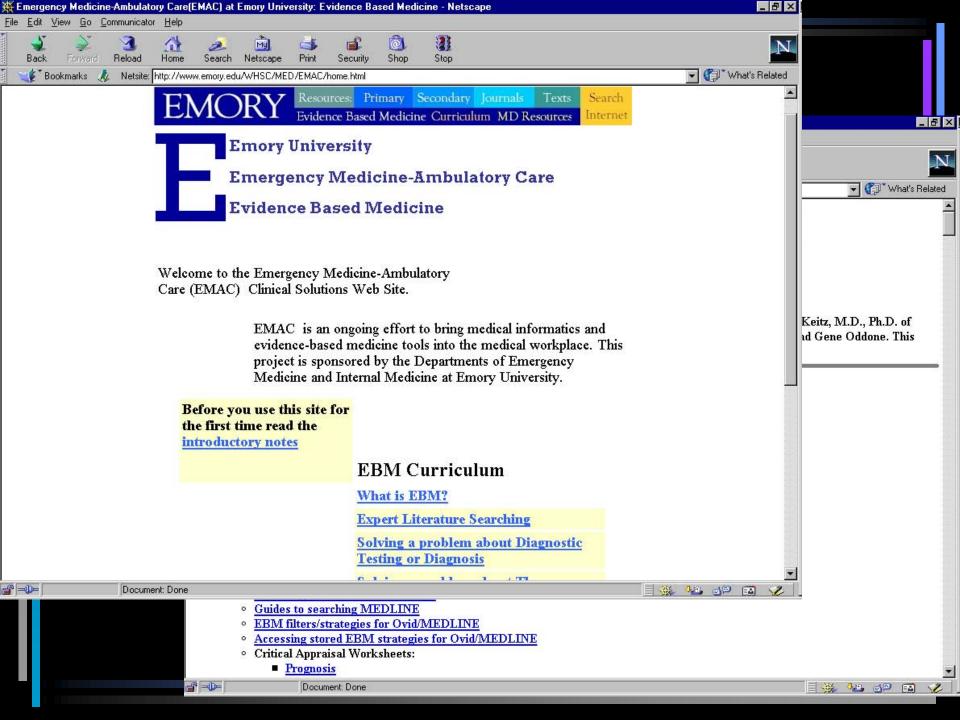
- -Books
- -Seminars
- -Internet
  - Online link banks
  - Online courses





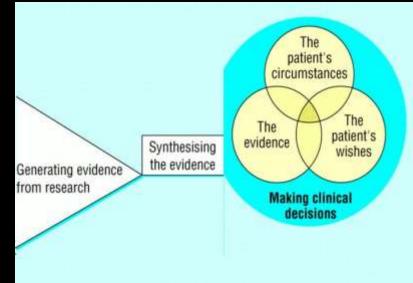


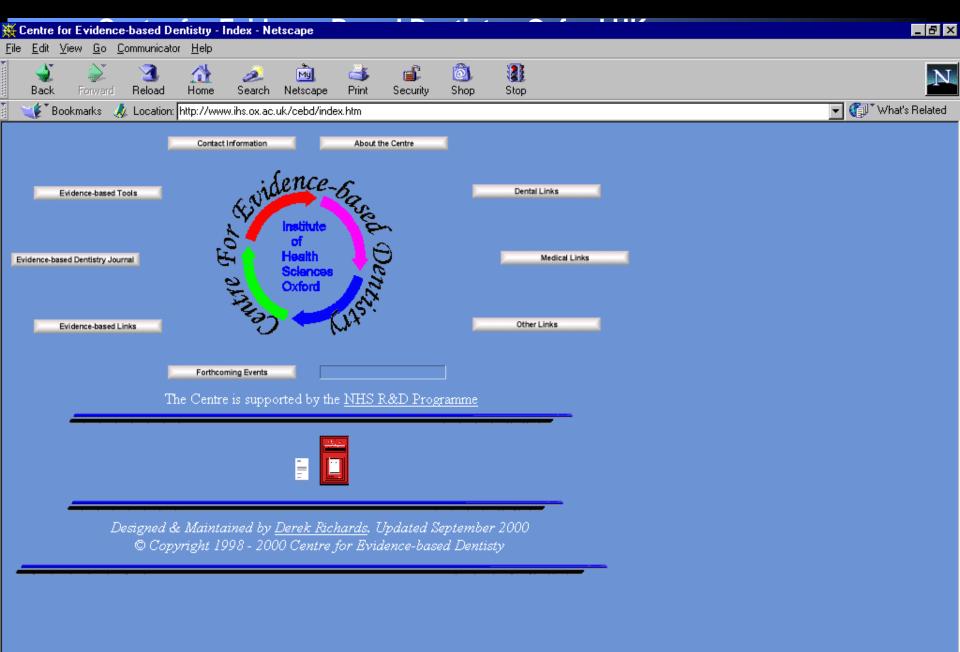
Sections

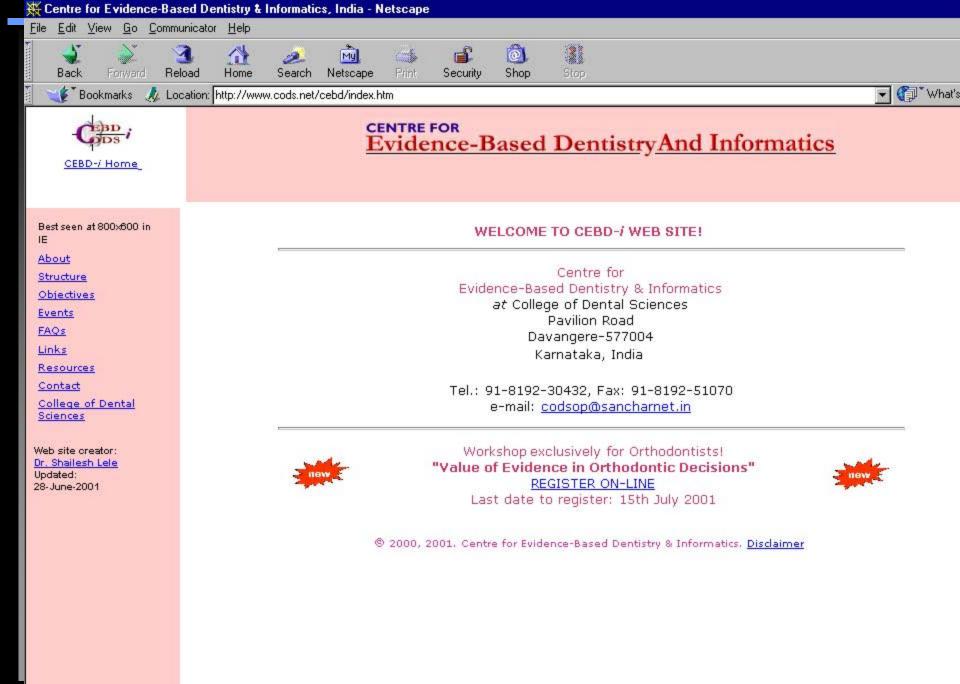


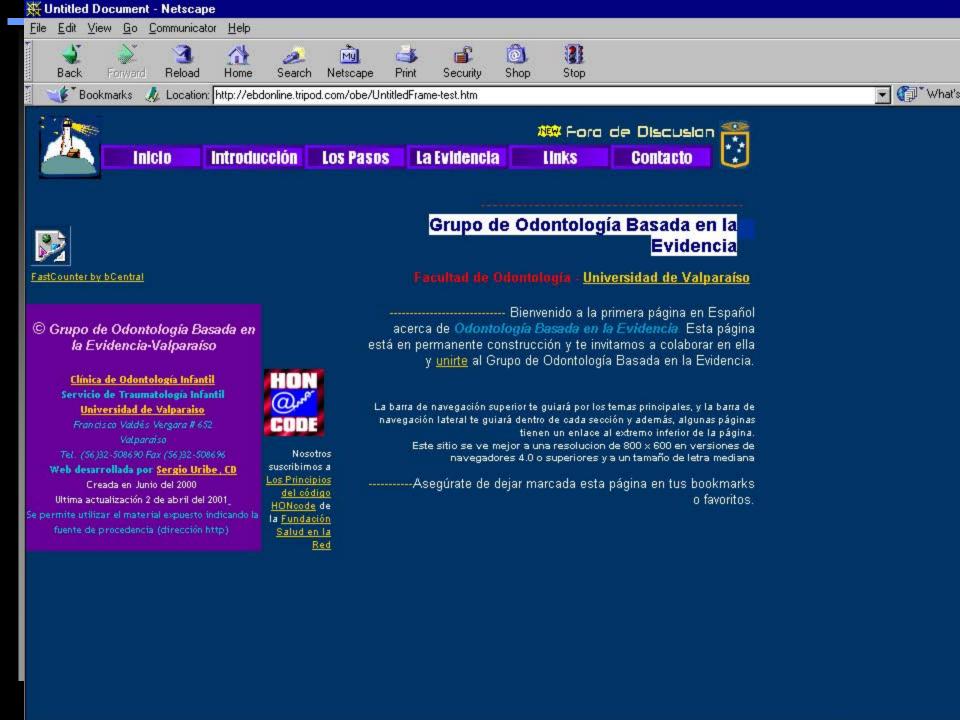
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- -Books
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- -Internet
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  - Online resources









# 3. By learning how to practice evidence-based dentistry ourselves

- -Books
- -Seminars
- -Internet
- -Articles

