

# Searching for evidence

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## “Web-medicine”

Advantages: Easy to use and find (any kind of) information

- General searches (AltaVista – Google- Lycos – MetaCrawler – Yahoo - etc.

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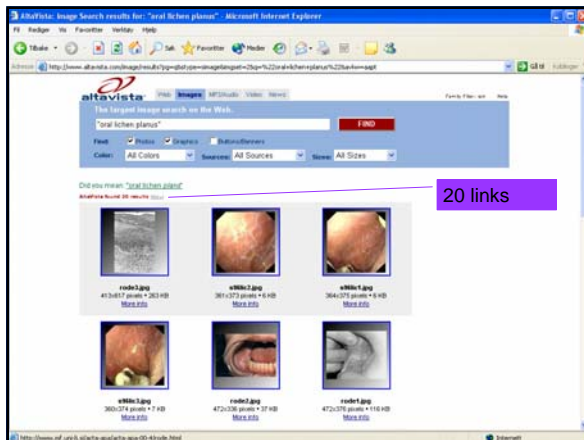
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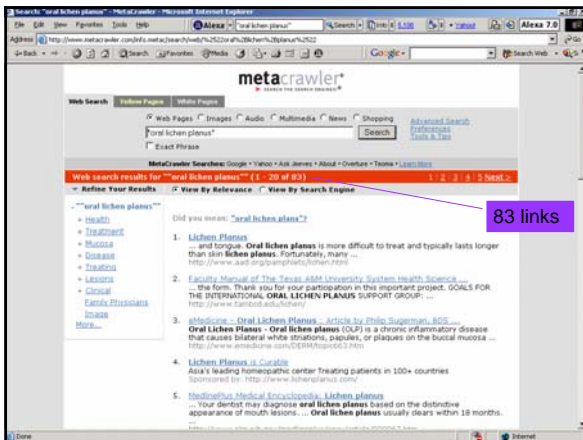
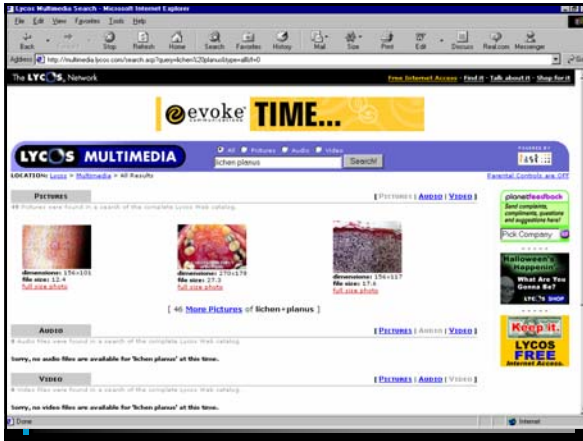
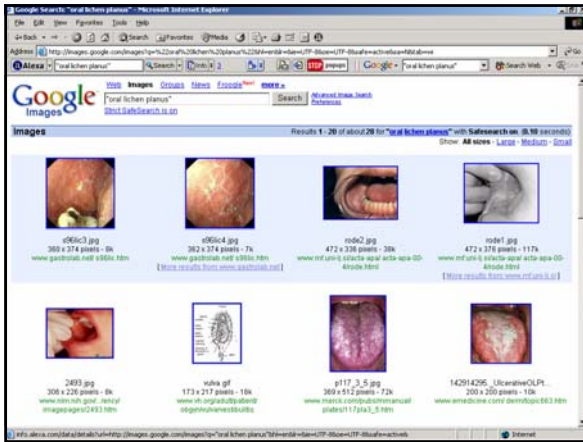
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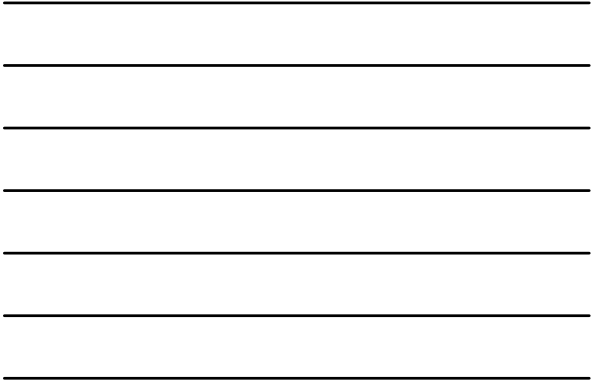
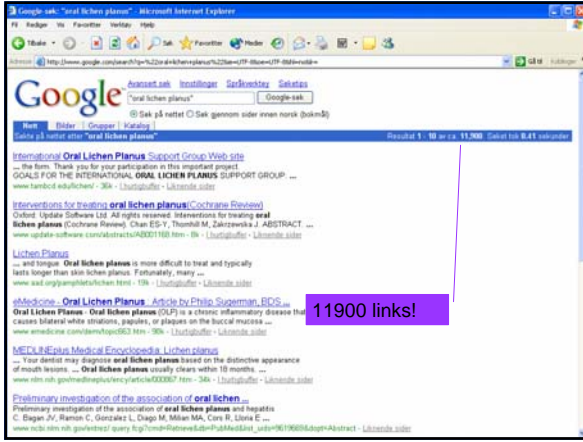
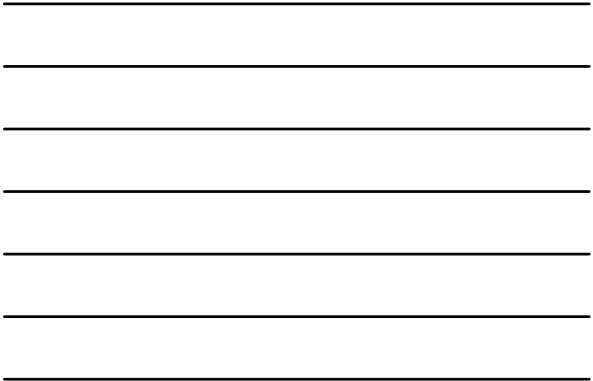
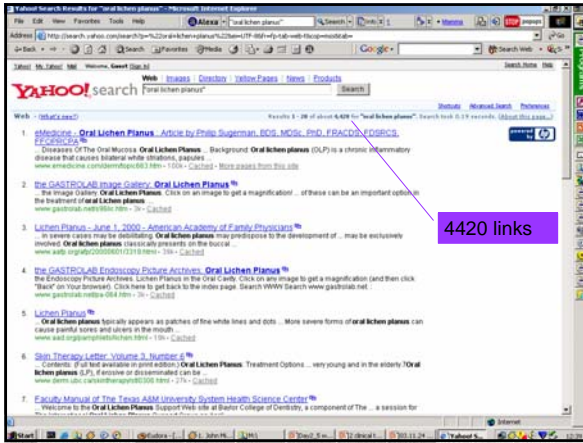
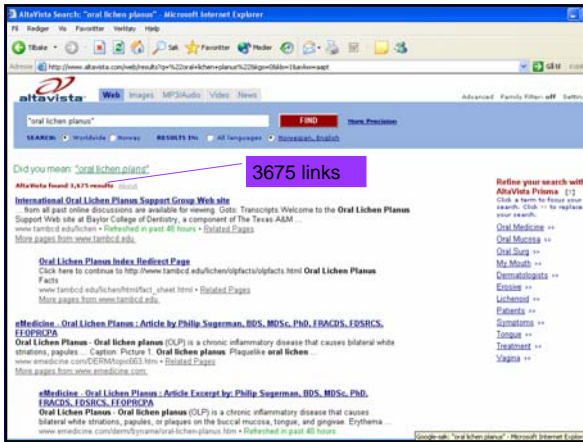
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## Disadvantages

- General searching often non-specific
- Takes much time
- Quality of information varies greatly

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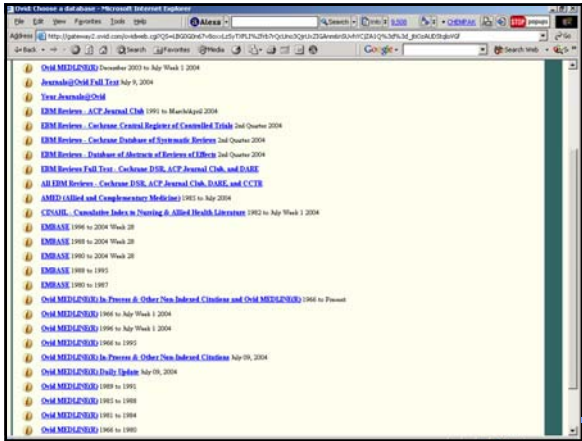
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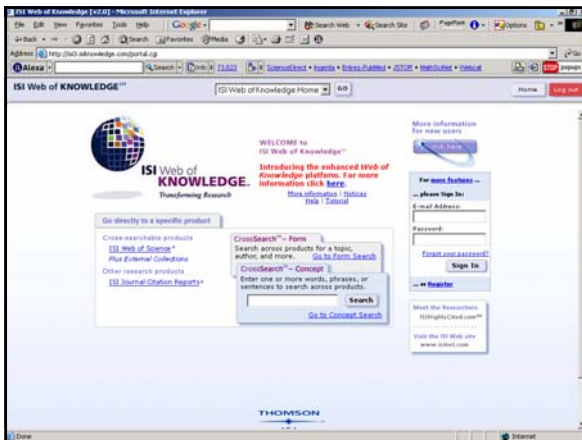
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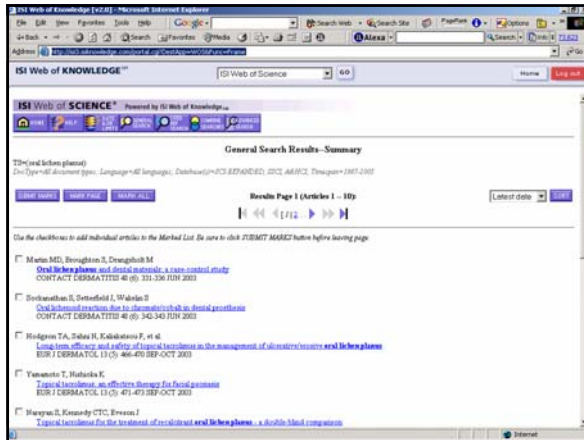
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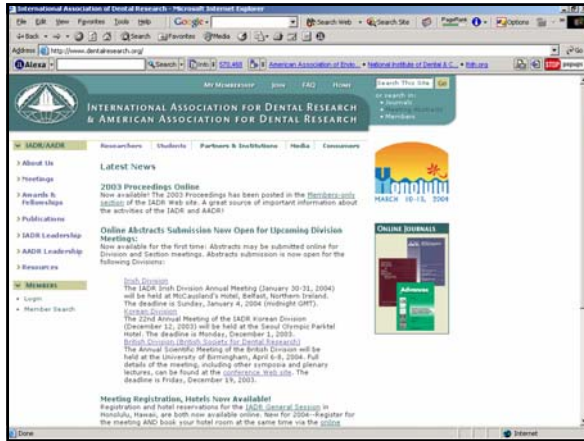
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**Search for evidence “Web-medicine”**

- General search
- Medical databases
  - Medline

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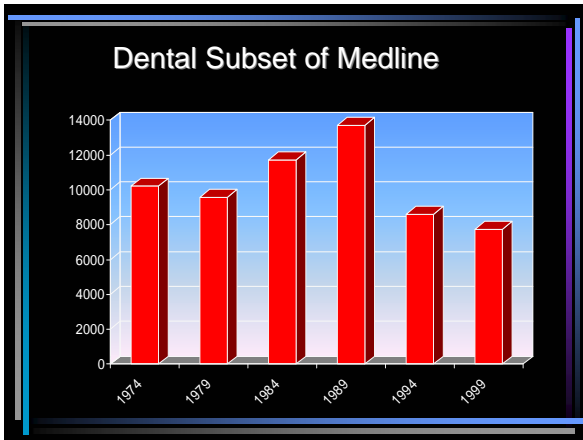
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#	Search History	Results	Display
1	Mouth or tooth extraction exp. (exp=stls, ungroup title, abstract, name of relations, search subject heading)	22310	Display
2	Mouth, hard or soft tissue congenital or tooth extraction or tooth impacted	209310	Display
3	tooth extraction and tooth, impacted exp. (exp=stls, ungroup title, abstract, name of relations, search subject heading)	1104	Display
4	mouth, hard and soft, postoperative and tooth extraction	276	Display
5	1 or 2 or 3 or 4	229613	Display

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E.g. Worthington HV, Clarkson JE, Eden OB. Interventions for treating oral mucositis for patients with cancer receiving treatment (Cochrane Review). In: *The Cochrane Library*, Issue 2, 2004

- 1.NEOPLASMS explode all trees (MeSH)
- 2.LEUKEMIA explode all trees (MeSH)
- 3.LYMPHOMA explode all trees (MeSH)
- 4.RADIOTHERAPY explode all trees (MeSH)
- 5.BONE MARROW TRANSPLANTATION explode all trees (MeSH)
- 6.(neoplasm\* or cancer\* or carcino\* or malignan\*)
- 7.(leukem\* or leukoem\*)
- 8.(tumour\* or tumor\*)
- 9.neutropeni\*
- 10.adenocarcinoma\*
- 11.lymphoma\*
- 12.(radioth\* or radiat\* or irradiat\* or radiochemo\*)
- 13.(bone next marrow next transplant\*)
- 14.(chemo\* or radiochemo\*)
- 15.(#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12 or #13 or #14)
- 16.STOMATITIS explode all trees (MeSH)
- 17.CANDIDIASIS ORAL single term (MeSH)
- 18.stomatilis
- 19.(stevens next johnson next syndrome)
- 20.mucositis
- 21.(oral near cand\*)
- 22.(mouth near cand\*)
- 23.(oral and fung\*)
- 24.(mouth and fung\*)
- 25.(mycosis or mycotic or thrush)
- 26.(#16 or #17 or #18 or #19 or #20 or #21 or #22 or #23 or #24 or #25)
- 27.(#15 and #26)

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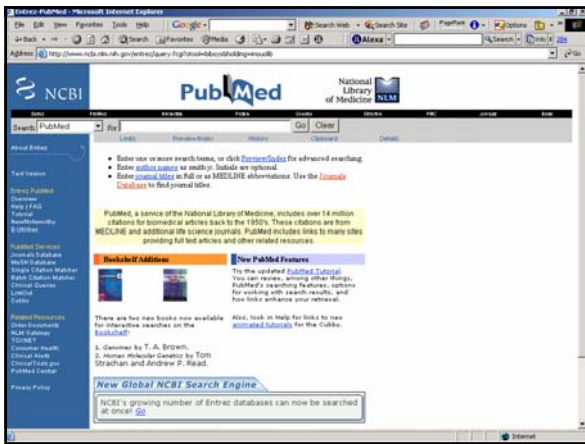
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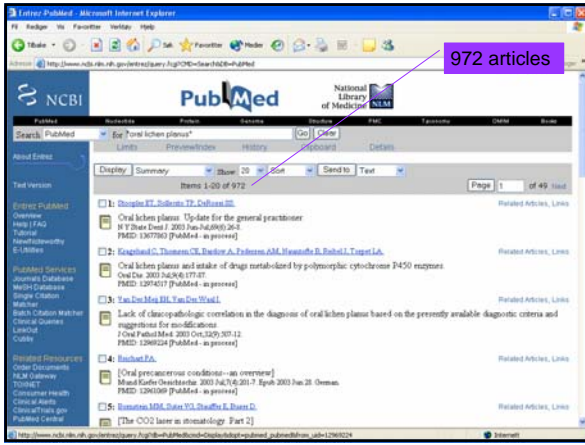
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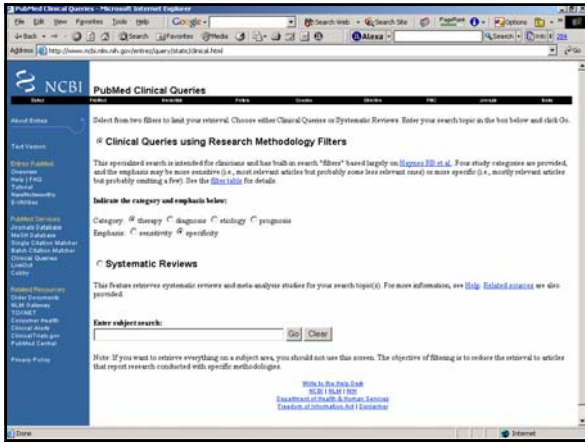
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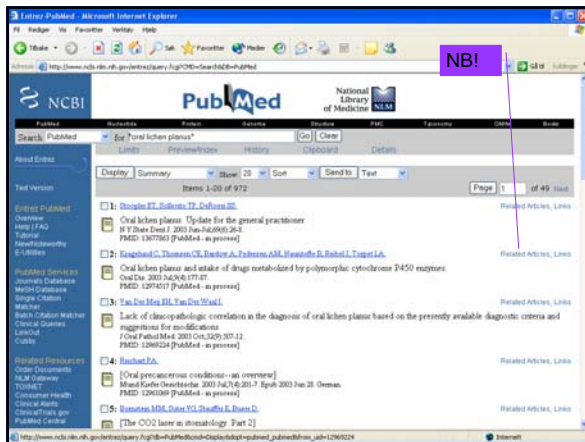
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### Disadvantages

- General searching often non-specific
- Takes much time
- Quality of information varies greatly
- Can't remember how to search effectively
- (Most) original articles can't be retrieved
- Not enough time anyway

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### Search for evidence "Web-medicine"

- General search
- Medical databases
  - Medline
  - ISI
  - Embase, Cinahl
- Medical metasite searching

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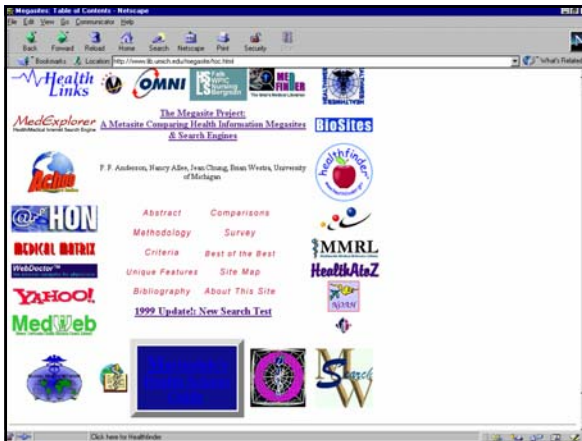
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## Disadvantages

- General searching often non-specific
- Takes much time
- Quality of information varies greatly
- Can't remember how to search effectively
- (Most) original articles can't be retrieved
- Not enough time anyway
- Medical metasite searches on oral health issues are often superficial
- Metasite searching often too "textbook"

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### Search for evidence "Web-medicine"

- General search
- Medical databases
  - Medline
  - ISI
  - Embase, Cinahl
- Medical metasite searching
- Primary publications

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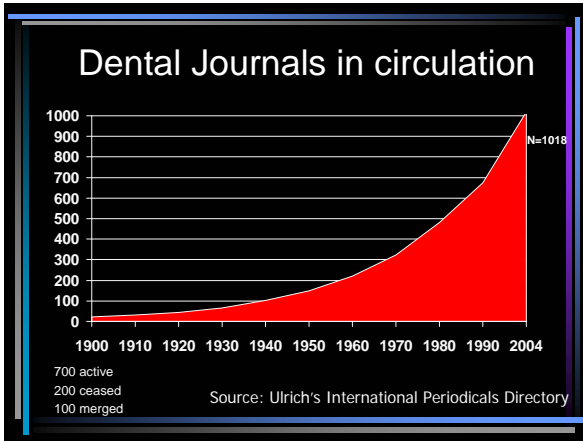
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**Elektroniske tidsskrifter**

Lær hva de elektroniske tidsskrifter

Bibliotek for medisin og helsefag

- 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 E Ø Å
- A
  - Acta Odontologica Scandinavica
  - After-therapy advice
  - ADA News Today
  - Advances in Dental Research
  - American Journal of Forensic Medicine and Pathology
  - American Journal of Orthodontics and Dentofacial Orthopedics 1990-
  - Biochemica og papir for IAO
  - Journal of Dental Education 2000
  - American Journal of Physical Anthropology
  - Acta Odontologica
  - The Anatomical Record
  - Applied and Environmental Microbiology
  - Archives of Oral Biology
  - Australian Dental Journal
- B
  - Biochemical Education
  - Biochemistry and Molecular Biology Education 2000
  - Biochemistry and Molecular Biology Education 2000-2001
  - Doctoral Theses in Dentistry

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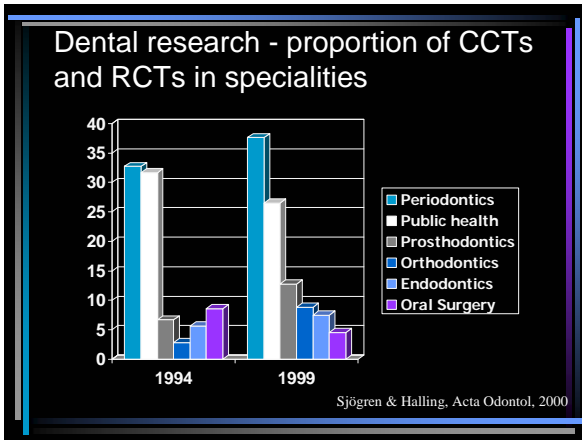
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### Top 40 Scientific Citation Index 1997 Ranking

1	Journal of Dental Research	21	J American Dental Association
2	Journal of Periodontology	22	J Oral and Maxillofacial Surgery
3	Clinical Oral Implant Research	23	International Endodontic Journal
4	Journal of Clinical Periodontology	24	Swedish Dental Journal
5	Operative Dentistry	25	European Journal of Oral Biology
6	Journal of Periodontal Research	26	Cleft Palate and Cranio
7	Oral Microbiology Immunology	27	British J Oral & Maxillofacial Surgery
8	Journal of Oral Pathol Med	28	Acta Odontologica Scandinavica
9	Dental Materials	29	European Journal of Orthodontics
10	Oral Oncology	30	Endodont traumatol
11	Scandinavian J Dental Research	31	British Dental Journal
12	Critical Reviews of Oral Biology	32	Journal of Oral Rehabilitation
13	Journal of Dentistry	33	International J Oral and Maxillofacial Surgery
14	Journal of Public Health Dentistry	34	Angle orthodontist
15	Caries Research	35	American J orthodontics and dentofacial orthopedics
16	Oral Surg Oral Med Oral Pathol	36	Australian Dental Journal
17	Journal Endodontology	37	J Craniomaxillofacial Surgery
18	Archives of Oral Biology	38	Journal of Dentistry Children
19	Community Dentistry and Oral Epidemiology	39	Cranio
20	Journal of Prosthetic Dentistry		

Choice of literature  
Citation index

Derek Richards  
Evidence Based-Dentistry 1999

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### SCI 1997 Ranking

Ranking	Journal Name	Number of Published	
		RCTs	Systematic Reviews
1	Journal of dental Research	17	8
2	Journal of Periodontology	78	1
3	Clinical oral implant research	7	0
4	Journal of clinical periodontology	14	4
5	Operative dentistry	4	0
6	Journal of periodontal research	6	2
7	Oral Microbiology immun	1	0
8	Journal of oral pathol med	1	0
9	Dental mater	1	0
10	Oral oncology	5	4
11	Scandinavian Journal Dental Res	0	0
12	Critical reviews of oral biology	0	7
13	Journal of dentistry	15	6
14	Journal of public health dentistry	3	0
15	Caries research	33	1
16	Oral surg, Oral med	43	7
17	Journal endodontology	20	0
18	Archives of Oral Biology	3	0
19	Community Dentistry Oral Epidemiol	12	2
20	Journal of prosthetic dentistry	25	4
21	JADA	27	4
22	J Oral and Maxillofacial Surgery	43	1
23	International endodontic journal	4	0
24	Swedish dental journal	9	0
25	European journal of oral biology	17	0
26	Cleft palate and cranio	17	2
27	BJOMS	13	1
28	Acta Odontol Scand	11	0
29	European journal of orthodontics	7	0
30	Endodont traumatol	4	0
31	BDJ	22	4
32	Journal of oral rehabilitation	10	0

Choice of literature -  
EBD papers 1995-1998

Derek Richards  
Evidence Based-Dentistry 1999

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SCI	Journal & Ranking positions	RCTs	Systematic Rev
1	Journal of Dental Research	10	1
2	Journal of Periodontology	1	16
3	Clinical Oral Implant Research	22	20
4	Journal of Clinical Periodontology	14	5
5	Operative Dentistry	26	21
6	Journal of Periodontal Research	24	11
7	Oral Microbiol immun	34	22
8	Journal of oral pathol med	35	23
9	Dental mater	36	24
10	Oral Oncology	25	6
11	Scandinavian Journal of dental research	37	25
12	Critical Reviews of Oral Biology	38	2
13	Journal of Dentistry	13	4
14	Journal of Public Health Dentistry	31	26
15	Caries Research	5	17
16	Oral surg, Oral med	2	3
17	Journal Endodontology	9	27
18	Archives of Oral Biology	32	28
19	Community Dentistry Oral Epidemiology	17	12
20	Journal of prosthetic dentistry	7	7
21	JADA	6	8
22	Journal of Oral and Maxillofacial Surgery	3	18
23	International endodontic journal	27	29
24	Swedish dental journal	21	30
25	European journal of oral biol	11	31
26	Cleft palate and cranio	12	13
27	BJOMS	16	19
28	Acta Odont, scanda	18	32
29	European journal of orthodontics	23	33
30	Endodont traumatol	28	34
31	BDJ	8	9
32	Journal of oral rehabilitation	20	36
33	International J oral maxillofacial surgery	29	36
34	Angle orthodont	15	37

Ranking positions according to  
 1. SCI  
 2. RCT  
 3. Systematic reviews

Derek Richards  
 Evidence Based-Dentistry 1999

### Choice of literature in teaching

Position	Journal Name	Position	Journal Name
1	Journal of Dental Research	1	Oral Surgery, Oral medicine, Oral Pathology
2	Journal of Periodontology	2	Journal of Dental Research
3	Oral Surgery, Oral medicine, Oral Pathology	3	Journal of Prosthetic Dentistry
4	Journal of Clinical Periodontology	4	Journal of American Dental Association
5	Journal of Dentistry	5	AM J of Ortho dentofacial
6	Journal of Prosthetic Dentistry	6	Journal of Periodontology
7	Journal of American Dental Association	7	Journal of Dentistry
8	Caries Research	8	British Dental Journal
9	Journal of Periodontal Research	9	Journal of clinical periodontology
10	Oral oncology	10	Journal of Oral and Maxillofacial Surgery

Average of ranking according to Scientific Citation Index, % RCTs, % systematic reviews

Ranking based only on evidence-based criteria: % RCTs, % systematic reviews

Derek Richards  
 Evidence Based-Dentistry 1999

### Suggested scientifically sound journals with clinically relevant information to GPs

1	Journal of Dental Research*	21	Journal of the American Dental Association*
2	Journal of Periodontology*	22	Journal of Oral and Maxillofacial Surgery
3	Clinical Oral Implant Research*	23	International Endodontic Journal
4	Journal of Clinical Periodontology*	24	Swedish Dental Journal
5	Operative Dentistry*	25	European Journal of Oral Sciences
6	Journal of Periodontal Research*	26	Cleft Palate and Cranio
7	Oral Microbiology and Immunology*	27	British J Oral & Maxillofacial Surgery
8	Journal of Oral Pathology Medicine	28	Acta Odontologica Scandinavica
9	Dental Materials	29	European Journal of Orthodontics
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11	International J Oral Maxillofacial Implants	31	British Dental Journal*
12	Critical Reviews of Oral Biology	32	Journal of Oral Rehabilitation
13	Journal of Dentistry*	33	International J Oral and Maxillofacial Surgery
14	Journal of Public Health Dentistry*	34	Angle Orthodontist
15	Caries Research*	35	Am J Orthodontics Dentofacial Orthopedics*
16	Oral Surgery Oral Medicine, Oral Pathology*	36	Australian Dental Journal
17	Journal of Endodontics*	37	Journal of Cranio-Maxillofacial Surgery*
18	Archives of Oral Biology*	38	Journal of Dentistry for Children*
19	Community Dentistry Oral Epidemiology*	39	Cranio
20	Journal of Prosthetic Dentistry*		

American Journal of Dentistry; Clinical Implant Dentistry; Clinical Oral Investigations; Compendium on Continuing Education in Dentistry; International Journal of Prosthodontics; Journal of Clinical Pediatric Dentistry; Journal of Dental Education; Journal of Orofacial Pain; Journal of Prosthodontics; Journal of Californian Dental Association, Journal of Canadian Dental Association, Pediatric Dentistry

## Search for evidence "Web-medicine"

- General search
- Medical databases
  - Medline
  - ISI
  - Embase, Cinahl
- Medical metasite searching
- Primary publications
- Evidence-based Practice

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## EBD information

### 1. Practice protocols, policies and guidelines based on evidence-based principles

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**National and International Guidelines, Statements, Position papers, Proceedings & Meta-analyses**

The oral health topics component of the Resources section is composed of a database, which contains scientific papers, publications, including Cochrane reviews, meta-analyses and review papers. The list is not comprehensive and by no means exhaustive, but hopefully it will lead you in the right direction.

Patient Issues	Evidence	Clinical	META
Disabled and Special care patients	<a href="#">Evidence</a>	<a href="#">Clinical</a>	<a href="#">META</a>
Dry Mouth, Saliva and oral health	<a href="#">Evidence</a>	<a href="#">Clinical</a>	<a href="#">META</a>
Emergency treatment	<a href="#">Evidence</a>	<a href="#">Clinical</a>	<a href="#">META</a>

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**EBD information**

1. Practice protocols, policies and guidelines based on evidence-based principles
2. Evidence-based summaries generated by others

- Journals that critically appraise primary studies

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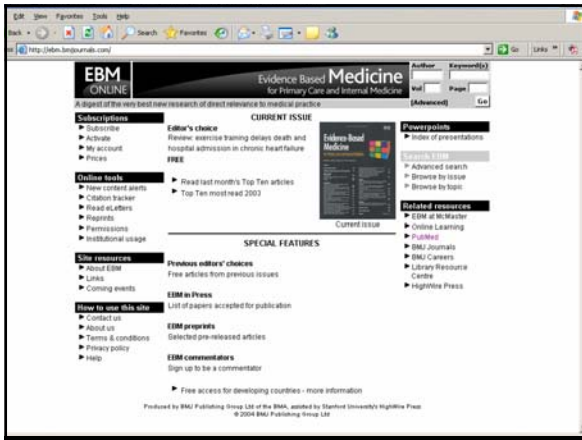
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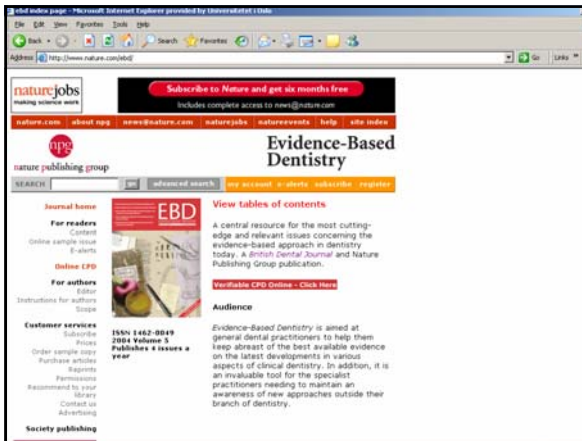
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**EBD in daily practice**

1. Practice protocols, policies and guidelines based on evidence-based principles
2. Evidence-based summaries generated by others
  - Journals that critically appraise primary studies
  - Systematic reviews

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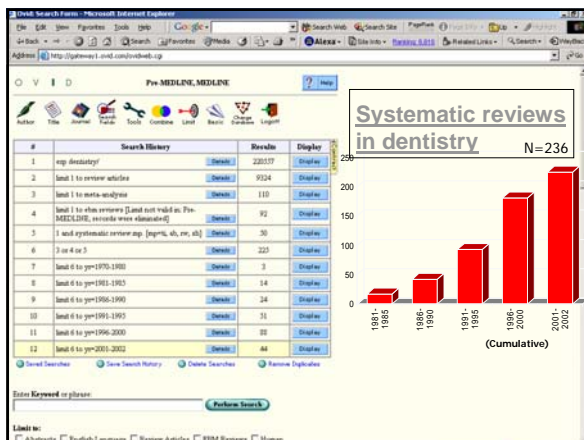
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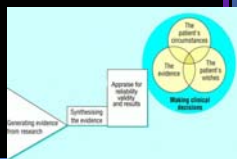
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## EBD information

1. Practice protocols, policies and guidelines based on evidence-based principles

2. Evidence-based summaries generated by others

- Journals that critically appraise primary studies
- Systematic reviews
  - Cochrane Collaboration
  - NHS R&D
  - Literature



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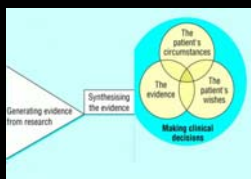
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## EBD information

3. Evidence-based science

- Websearch



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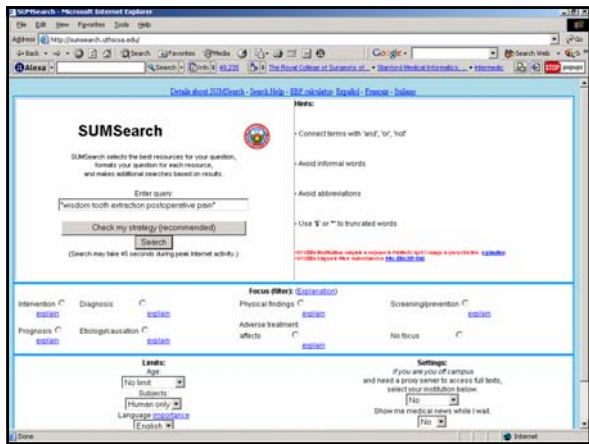
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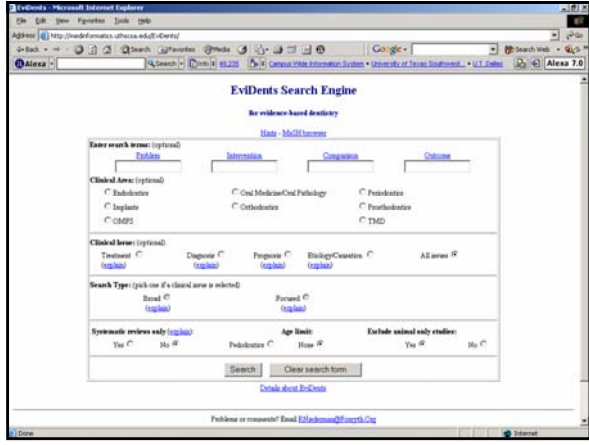
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**EBD information**

**3. Evidence-based science**

- Websearch
- Emerging resources

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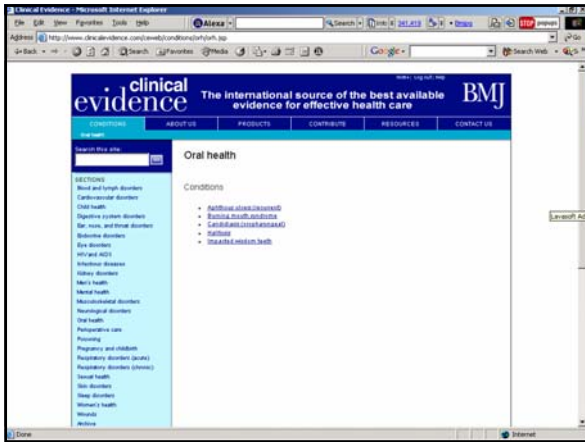
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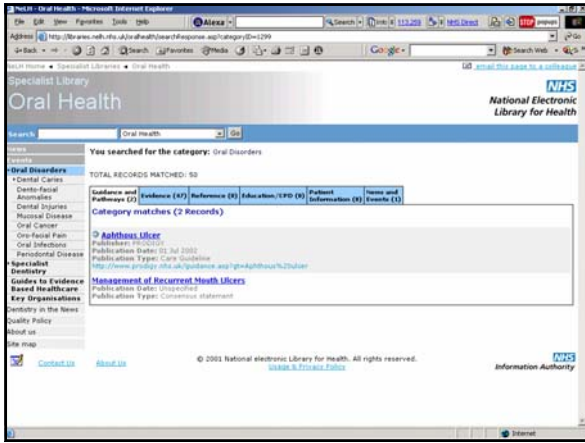
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