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ABSTRACT

National Library of Medicine (NLM) Literature Searches are selected computer-generated bibliographies produced by the Library's Medical Literature Analysis and Retrieval System (MEDLARS). Selection is made on the basis of a significant current interest of the subject matter to a substantial audience of health professionals. Each Literature Search has been given a short descriptive title with a qualifying subtitle or a brief introductory paragraph indicating the specific point of view of the search. Each citation is listed by author, together with the descriptors selected from NLM's list of medical subject headings (MeSH) under which the article was indexed. Subject headings of major importance in an article are identified with an asterisk, and the article cited will be found in Index Medicus under those headings. This search covers audiovisual aids, computer assisted and programmed instruction in dental education. (For related NLM Literature Searches see IR 001 346, IR 001 348 and IR 001 349). (Author)

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**AUDIO-VISUAL AIDS AND COMPUTER ASSISTED
AND PROGRAMMED INSTRUCTION IN DENTAL EDUCATION**

(Updates Literature Search 72-12)

May 1972 through April 1974. 45 Citations in English

*Prepared by Geraldine D. Nowak**Bibliographies on medical, nursing and allied health
occupation education are also available.*

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A

Anderson DJ, Staher MA: Bristol University Dental Expo. Br Dent J 181:201-3, Sep 72
 *EDUCATION, DENTAL/ *EXHIBITS/ STUDENTS, DENTAL

B

Bartlett SO, Rimoci RW Jr: Training devices for group instruction in occlusal equilibration. J Prosthet Dent 29:517-22, May 73
 AUDIO-VISUAL AIDS/ *DENTAL EQUIPMENT/ *DENTAL OCCLUSION/ DENTAL OCCLUSION, BALANCED/ DENTAL OCCLUSION, CENTRIC/ *EDUCATION, DENTAL/ HUMAN/ TEACHING

Bickley HC, Roth GI: An integrated, modular, program-supplemented approach to the teaching of basic health sciences. J Am Dent Assoc 81:1030-4, May 73

ATTITUDE/ COMPUTERS, DIGITAL/ *CURRICULUM/ *EDUCATION, DENTAL/ EDUCATIONAL MEASUREMENT/ EVALUATION STUDIES/ FACULTY, DENTAL/ HUMAN/ KENTUCKY/ METHODS/ PROGRAMMED INSTRUCTION/ *SCIENCE/ STUDENTS, DENTAL

D

Doq S, Das AK: Programmed learning, an audio-visual method of teaching manual skills to dental students. J Indian Dent Assoc 44:127-9, Jun 72
 AUDIO-VISUAL AIDS/ EDUCATION, DENTAL/ MOTOR SKILLS/ PROGRAMMED INSTRUCTION/ SPECIAL LIST DENTAL

Davies MM: An aid to surgery design. Br Dent J 154:569, 8 Jun 73
 *DENTAL CLINICS/ EDUCATION, DENTAL/ *FACILITY DESIGN AND CONSTRUCTION/ MODELS, STRUCTURAL

Deebay GR: Self-instruction utilizing programmed audiovisual teaching machine. J Dent Educ 37:33-5, Feb 73

*AUDIO-VISUAL AIDS/ DENTAL CAVITY PREPARATION/ DENTAL MATERIALS/ *DENTAL RESTORATION, PERMANENT/ *EDUCATION, DENTAL/ EVALUATION STUDIES/ GOLD/ MOTOR SKILLS/ *PROGRAMMED INSTRUCTION

Dewson J, Eagle D: Survey of instructional materials used in teaching endodontics. J Dent Educ 37:47-8, Jul 73

AUDIO-VISUAL AIDS/ DIAGNOSIS, COMPUTER ASSISTED/ *EDUCATION, DENTAL/ *ENDODONTICS, education/ HUMAN/ PROGRAMMED INSTRUCTION

F

Fischer KE: New techniques for dental care delivery to spinal cord injury patients. Proc Veterans Adm Spinal Cord Int Conf 18:41-2, 1971

*COMPREHENSIVE DENTAL CARE/ EDUCATION, DENTAL/ *HANDICAPPED/ HUMAN/ METHODS/ MOTION PICTURES/ PATIENT CARE PLANNING/ *SPINAL CORD INJURIES

Fitzgerald WF: The instructional use of computers in dental education. Comput Biol Med 2:297-18, Oct 72

*COMPUTER ASSISTED INSTRUCTION/ COMPUTERS, DIGITAL/ DATA DISPLAY/ DIAGNOSIS, COMPUTER ASSISTED/ DIAGNOSIS, ORAL/ *EDUCATION, DENTAL/ FACULTY, DENTAL/ LEARNING/ MICHIGAN/ PEDODONTICS, education/ PROGRAMMED INSTRUCTION/ STUDENTS, DENTAL

Flowers J: Continuing education via television—a report. J Neb Dent Assoc 50:10-1 passim, Winter 72
 EDUCATION, DENTAL/ CONTINUING/ SPECIAL LIST DENTAL/ TELEVISION

G

Gigliotti R, Moreland EF: Self-instructional, preclinical fixed partial prosthodontics. J Dent Educ 36:43-3 passim, Feb 72

*DENTURE, PARTIAL, FIXED/ *EDUCATION, DENTAL/ *PROGRAMMED INSTRUCTION/ TECHNOLOGY, DENTAL

Gigliotti R, Moreland EF: Student evaluation of

self-instructional preclinical fixed partial prosthodontics course. J Dent Educ 37:36-2, Aug 73
 ATTITUDE OF HEALTH PERSONNEL/ *AUDIO-VISUAL AIDS/ *DENTURE, PARTIAL, FIXED/ *EDUCATION, DENTAL/ EDUCATIONAL MEASUREMENT/ EVALUATION STUDIES/ MANUALS/ *PROSTHODONTICS, education/ QUESTIONNAIRES/ *STUDENTS, DENTAL

Goldman M: Widened horizons for video tape in dental education. J Dent Educ 37:43-3, Nov 72
 *EDUCATION, DENTAL/ HUMAN/ METHODS/ *VIDEOTAPE RECORDING

H

Hobbs JA: The use of audio-visual aids in dentistry. Br Dent J 123:184-96, Sep 72
 *AUDIO-VISUAL AIDS/ *EDUCATION, DENTAL/ PHOTOGRAPHY/ TAPE RECORDING/ TELEVISION

Hobbs JA: The prosthodontic television service. Univ Newcastle Tyne Med Gaz 86:28-34, Jan 73
 PROSTHODONTICS, education/ SPECIAL LIST DENTAL/ TELEVISION

Howe JL, Spitzer HG: New England Dental Reports: continuing dental education on open-circuit television. J Am Dent Assoc 85:945-8, Sep 73

CONSUMER SATISFACTION/ *EDUCATION, DENTAL/ CONTINUING/ FINANCING, GOVERNMENT/ LICENSURE, DENTAL/ METHODS/ QUESTIONNAIRES/ SAMPLING STUDIES/ *TELEVISION

Kurigan TP: Visual aid technique. Dent Radiogr Photogr 44:48-4 passim, 1973
 *AUDIO-VISUAL AIDS/ *EDUCATION, DENTAL/ *HEALTH EDUCATION, DENTAL/ METHODS/ PHOTOGRAPHY, instrumentation

K

Kaale MJ: One instructor's experience with television in dental teaching. J Dent Educ 37:43, Jan 73
 *EDUCATION, DENTAL/ *TEACHING/ *TELEVISION

Kopayk RA, Losen JA, Kenney ER, et al: Evaluation of self-instruction mini-course. J Dent Educ 37:40-3, Apr 72

*EDUCATION, DENTAL/ *EDUCATIONAL MEASUREMENT/ HUMAN/ *PROGRAMMED INSTRUCTION/ *FUTURE TECHNIQUES/ UNITED STATES

Kross GC Jr, Jacobs SH: Effects of practice-sequence strategy on cavity preparation skills. J Dent Educ 37:30-31, Dec 72

*DENTAL CAVITY PREPARATION, standards/ *EDUCATION, DENTAL/ EVALUATION STUDIES/ FACTOR ANALYSIS, STATISTICAL/ FEMALE/ HUMAN/ MALE/ METHODS/ *MOTOR SKILLS/ PROGRAMMED INSTRUCTION/ RESEARCH DESIGN/ SEX FACTORS/ TEACHING/ TIME FACTORS

M

Mangiaracina J, Sawyer WA: Videotape cassette: use in dental education. J Dent Educ 37:43-4, May 73

*AUDIO-VISUAL AIDS/ *EDUCATION, DENTAL/ EDUCATION, DENTAL, CONTINUING/ *PROGRAMMED INSTRUCTION/ *TELEVISION/ UNITED STATES

Miles AB: The future of the odontological museum. Br Dent J 154:599-596, 8 Jun 73

EDUCATION, DENTAL/ EXHIBITS/ FUTUROLOGY/ *HISTORY OF DENTISTRY/ *MUSEUMS

Miles AB: Evolution of dentitions: an exhibit. Br Dent J 154:211-5, 20 Mar 73

ANATOMY, COMPARATIVE, education/ ANIMAL EXPERIMENTS/ *DENTITION/ EDUCATION, DENTAL/ *EVOLUTION/ EXHIBITS/ HUMAN/ *PALEODONTOLOGY

Moreland EF: Production of quality instructional media. J Am Coll Dent 49:54-54, Jan 73

*AUDIO-VISUAL AIDS, standards/ *EDUCATION, DENTAL/ HUMAN/ QUALITY CONTROL/ UNITED STATES

Mulloney TP, Duall EC, Smith FA, et al: Programmed simulation of clinical endodontic problems.

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J Dent Educ 36:37-9, Nov 72
AUDIO-VISUAL AIDS/ *EDUCATION,
DENTAL/ *ENDODONTICS, education/
HUMAN/ *PROGRAMMED INSTRUCTION/
UNITED STATES

N

Nebel RH: Single subject films—a new concept in
continuing education. Milb Med 136:490-2, May 71
*EDUCATION, DENTAL, CONTINUING/
*MOTION PICTURES/ UNITED STATES/
UNITED STATES VETERANS
ADMINISTRATION

P

Fallon PA, Miller AS: Evaluation of method of
self-teaching laboratory portion of pathology.
J Dent Educ 36:30-2, Nov 72
*EDUCATION, DENTAL/ EVALUATION
STUDIES/ HUMAN/ *PATHOLOGY, ORAL,
education/ *PROGRAMMED INSTRUCTION,
standards

R

Reindl FF: Thirty a year—single-concept teaching films.
J Biol Photogr Assoc 41:97-9, Jul 73
EDUCATION, DENTAL/ *MOTION PICTURES

Richardson A: A simple audio-visual aid.
J Ir Dent Assoc 19:231-3, Nov-Dec 73
AUDIO-VISUAL AIDS/ EDUCATION, DENTAL/
SPECIAL LIST DENTAL

Robinson AD, Glynn ED, Ellis RA: Television teaching
of operative dentistry (on the phantom head).
Med Biol Illus 21:183-4, May 73
*DENTISTRY, OPERATIVE/ *EDUCATION,
DENTAL/ TAPE RECORDING/ *TEACHING/
*TELEVISION

Roth GI, Walton CA: Interprofessional consortium
approach to developing auto-tutorial modules in basic
health sciences. J Dent Educ 37:31-4, Jun 73
CURRICULUM/ *DELIVERY OF HEALTH
CARE/ DENTAL CARE/ *EDUCATION,
DENTAL, standards/ EDUCATION, MEDICAL/
HEALTH/ *INTERPROFESSIONAL
RELATIONS/ METHODS/ *PROGRAMMED
INSTRUCTION/ QUALITY OF HEALTH
CARE/ SCIENCE/ UNITED STATES

S

Salvendy G, Goodrich TM, Minton WM, et al:
Electromechanical simulator for acquisition of
psychomotor skills in cavity preparation.
J Dent Educ 37:43-46, Dec 73
BIOMECHANICS/ *DENTAL CAVITY
PREPARATION, standards/ *EDUCATION,
DENTAL/ ELECTRICITY/ EVALUATION
STUDIES/ FEEDBACK/ HUMAN/ METHODS/
*MODELS, STRUCTURAL/ *MOTOR SKILLS

Steiner JC, Van Haseel EJ: An effective endodontic
teaching media. J Dent Educ 36:36-9, Jul 72
*EDUCATION, DENTAL/ *ENDODONTICS,
education/ *MODELS, STRUCTURAL

Storz N: Classifying, indexing, and storing teaching
slides. Dent Radiogr Photogr 44:84-8, Oct 73
*ABSTRACTING AND INDEXING/
*AUDIO-VISUAL AIDS, classification/
*EDUCATION, DENTAL/ *FILES AND FILING

Starwold VG: Use of audiovisual materials in teaching
of periodontia. J Dent Educ 37:23-8, Jan 73
*AUDIO-VISUAL AIDS/ *PERIODONTICS,
education/ QUESTIONNAIRES/ *TEACHING

Starwold VG: Audiovisual materials in dental
education. J Am Coll Dent 40:143-60, Jul 73
*AUDIO-VISUAL AIDS/ *EDUCATION,
DENTAL/ UNITED STATES

T

Travaglini EA: Prosthodontics and the single-concept
film. J Prosthet Dent 20:648-1, Oct 73

*DENTURE, COMPLETE/ *EDUCATION,
DENTAL/ *MOTION PICTURES/
*PROSTHODONTICS, education

W

Wasserman BS: Case presentations in hospital dental
departments; a new look.

J Hosp Dent Pract 7:18-1, Jan-Mar 73
AUDIO-VISUAL AIDS/ DIAGNOSIS, ORAL/
HOSPITAL DENTAL SERVICE/ INTERNSHIP
AND RESIDENCY/ SPECIAL LIST DENTAL

Watkins FH, Ledeman DM: Innovations in continuing
dental education for South Dakota—instructional
television training sessions for dentists.
North West Dent 51:143-5, May 72
EDUCATION, DENTAL, CONTINUING/
SPECIAL LIST DENTAL/ TELEVISION

Watkins FH, Stewart TE: Mind regional continuing
dental education courses via portable videotape
coverage. North West Dent 52:376-1, Nov-Dec 73
EDUCATION, DENTAL, CONTINUING/
SPECIAL LIST DENTAL/ TELEVISION/
VIDEOTAPE RECORDING

ANONYMOUS

Am J Orthod
AAO orthodontics program being offered in new
format. Am J Orthod 62:310-2, Sep 71
*AUDIO-VISUAL AIDS/ *EDUCATION,
DENTAL, CONTINUING/ HUMAN/
*ORTHODONTICS/ *SOCIETIES, DENTAL/
UNITED STATES

Am Dent
McGraw-Hill releases kit on systemic diseases.
Am Dent 38:97-2, Winter 71
*DISEASE/ *EDUCATION, DENTAL,
CONTINUING/ HUMAN/ *ORAL
MANIFESTATIONS/ *PROGRAMMED
INSTRUCTION

Dent Stud
Dental schools cooperate to produce educational
materials. Dent Stud 51:16-3, Jan 73
AUDIO-VISUAL AIDS/ DENTISTRY,
OPERATIVE/ EDUCATION, DENTAL/
PROGRAMMED INSTRUCTION/ SPECIAL
LIST DENTAL

J Am Coll Dent
Conference on newer technology in dental education.
J Am Coll Dent 40:83-4, Jan 73
*AUDIO-VISUAL AIDS, standards/
*COMPUTERS, DIGITAL/ CONGRESSES/
*EDUCATION, DENTAL/ HUMAN/ UNITED
STATES

J Am Dent Assoc
1971 Survey of dental practice. XII Patient education;
attendance at dental meetings. Bureau of Economic
Research and Statistics.
J Am Dent Assoc 55:1123-30, Nov 71
AGE FACTORS/ *AMERICAN DENTAL
ASSOCIATION/ AUDIO-VISUAL AIDS/
DENTAL ASSISTANTS, utilization/ DENTAL
HYGIENISTS, utilization/ *EDUCATION,
DENTAL, CONTINUING/ *GENERAL
PRACTICE, DENTAL/ *HEALTH EDUCATION,
DENTAL/ SPECIALTIES, DENTAL/ UNITED
STATES