

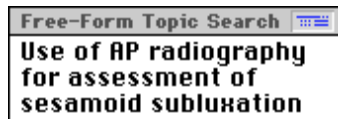
A R I E S

Overview

Foot & Ankle International on CD-ROM is the electronic version of the printed edition of *Foot & Ankle International*, offering you literature access as never before...

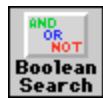
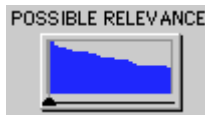
- Full editorial content of the Journal from 1992 forward on a single CD-ROM - carry your library in your pocket!
- High quality display of figures and tables at three resolutions - thumbnail, standard and double.
- Bibliography links to MEDLINE records give you abstracts for cited articles in many other journals.
- Fuzzy logic and Boolean searching make finding articles simple and fast.
- Quarterly updates at a modest price give you currency and the convenience of "electronic binding".
- Acclaimed *Knowledge Finder* search software for Windows™ and Macintosh® makes content access intuitive with minimal learning.

Searching



Finding the article you want is as easy as just typing the few words that you think best characterize the article. *Knowledge Finder's* unique fuzzy logic searching uses precise mathematical

analysis to judge how closely each article appears to match your search query. And search results are presented in order of likely relevance, showing you the closest matches first, and saving you time reviewing search results.



For precise searching, just click a button to activate *Knowledge Finder's* Boolean Search mode. With the traditional Boolean operators, nested parenthetization and truncation, you can fine tune your search to identify the specific article for which you're looking.

Table-of-Contents

browsing lets you quickly view all of the articles in a particular issue. The hierarchical browser also lets you open multiple Contents windows, so you can see the contents of several issues simultaneously.

▶	August 1997, Volume 18, Number 08
▶	September 1997, Volume 18, Number 09
▼	October 1997, Volume 18, Number 10
611	Conflict of Lists; Lowell D. Lutter, M.D.
613	Subtalar Arthrodesis with Interposition Tricortical Iliac Crest Graft for Late Pain and Deformity After Calcaneus Fracture; Samson C. F. Chan, M.D., Ian J. Alexander, M.D.
616	Isolated Talocalcaneal Interposition Fusion: A Prospective Follow-up Study; J. Fellmann, M.D., H. Zollinger, M.D.
622	Biomechanical Evaluation of Poly lactide Absorbable Screws Used for Syndesmosis Injury Repair; David B. Thordarson, M.D., Thomas P. Hedman,

Article Display

Full-text articles are displayed on your computer screen showing all of the text, symbols and equations contained in the original print article. References to figures, tables and citations in the text are "hot-linked", so that you just click on the reference in the text to see the corresponding item. Flexible window re-sizing lets you organize your screen to suit your needs. Article text, optionally including figures and tables, can be printed.

Foot & Ankle International Jan 1992 - Dec 1997
October 1997, Volume 18, Number 10
622 Biomechanical Evaluation of Poly lactide Absorbable Screws Used for Syndesmosis Injury Repair

Article
AUTHORS: Thordarson, David B., M.D.; Hedman, Thomas P., Ph.D.; Gross, Dominic, M.D.; Magre, George, M.D.,
Los Angeles, California
University of Southern California, Los Angeles, California 90033
*Department of Orthopaedics; To whom requests for reprints should be addressed at 1300 North State Street, 088 3900, Los Angeles, California 90033
†Department of Biology

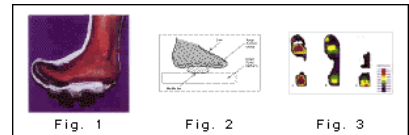
ABSTRACT: Simulated syndesmosis injuries were created in 12 fresh-frozen, below knee cadaver specimens. Six specimens were repaired with a 4.5 mm stainless steel screw, and six were repaired with a 4.5 mm poly lactide screw. Three specimens of each group were tested in load to failure by axially loading with 1400 N and externally rotating to 90°. Three specimens in each group underwent fatigue testing by axially loading with 700 N and applying 2.5 Nm of torque for 57,200 cycles. Radiographs and computed tomography scans were evaluated. None of the screws broke or failed. Similar load to failure was noted in poly lactide and control groups. Fatigue testing revealed no significant change in stiffness. No significant screw damage was evident on radiographic or computed tomography evaluation. The data suggest that a poly lactide screw has sufficient fatigue and failure strength to allow for healing of this injury in a clinical situation.

Foot Ankle Int 18(6):622-627, 1997

INTRODUCTION
Although open reduction and internal fixation has become the standard treatment for many displaced fractures, numerous problems can result from the use of metallic implants. Tendonous over prominent metallic implants and stress shielding of underlying bone resulting from the higher modulus of the metallic devices are well-known phenomena. In addition, some fixation devices are routinely removed following implantation after adequate healing has occurred to minimize disruption of normal biomechanics, such as the use of a syndesmosis screw. The routine removal of such implants subjects the patient to a second surgical procedure with its attendant morbidity and cost. Also, metallic implants

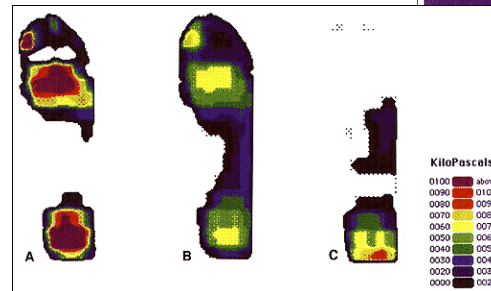
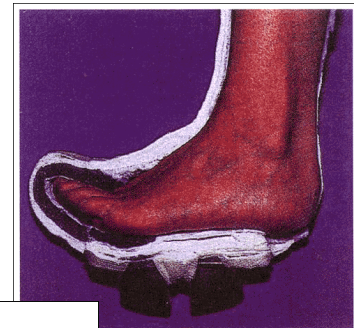
Thumbnails

Whenever you open an article, *Knowledge Finder* presents simultaneously and quickly a window with overview thumbnail images of all of the figures and tables in the article. This gives you an "image table-of-contents" for the article, and helps you find an image by pattern recognition, rather than just by words. Click once on any image, and the full figure or table appears almost instantaneously.



Figures and Tables

Every figure and table from the print publication is included on the CD-ROM. You can view color and gray scale halftones at their standard size, and at double resolution for enhanced image clarity. Ergonomically-designed image scrolling and panning makes viewing of large images convenient. Line drawings, graphs, charts and



...tion of a total contact fiberglass cast. Note the intimate fit of the cast wall and the leg with minimal padding in all forefoot where a low density foam is wrapped around the

tables are displayed in independent windows, and can be displayed at double resolution.

Linked Abstracts

All bibliographic references in the articles have been matched against the National Library of Medicine's MEDLINE® database. Where available, the MEDLINE abstract and record have been incorporated into the *Foot & Ankle International* CD-ROM database. An indicator in the on-screen References window tells you the abstract is available for immediate viewing.

Equipment Requirements

To use *Foot & Ankle International* on CD-ROM with *Knowledge Finder*, you'll need a PC/compatible or Macintosh computer:

For the PC, you'll need Windows 3.1, 95 or NT, an 80486 or better CPU (Pentium recommended, 50MHz or faster) with 16MB RAM, at least SVGA video, a mouse, and a CD-ROM player (faster is better!).

For the Macintosh, you'll need System 7.5.1 or later, a color Macintosh (68040 CPU or later recommended) with 16MB RAM, and a CD-ROM player (again, faster is better!).

Knowledge Server® and *Knowledge Host*®, also available from Aries Systems, let you access your *Knowledge Finder* databases in a network environment. Please contact Aries Systems or your authorized *Knowledge Finder* dealer for details.

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