

The Way It Was: Hammer Toe Treatment

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**I have no conflict of interest disclosures to make
regarding this presentation**

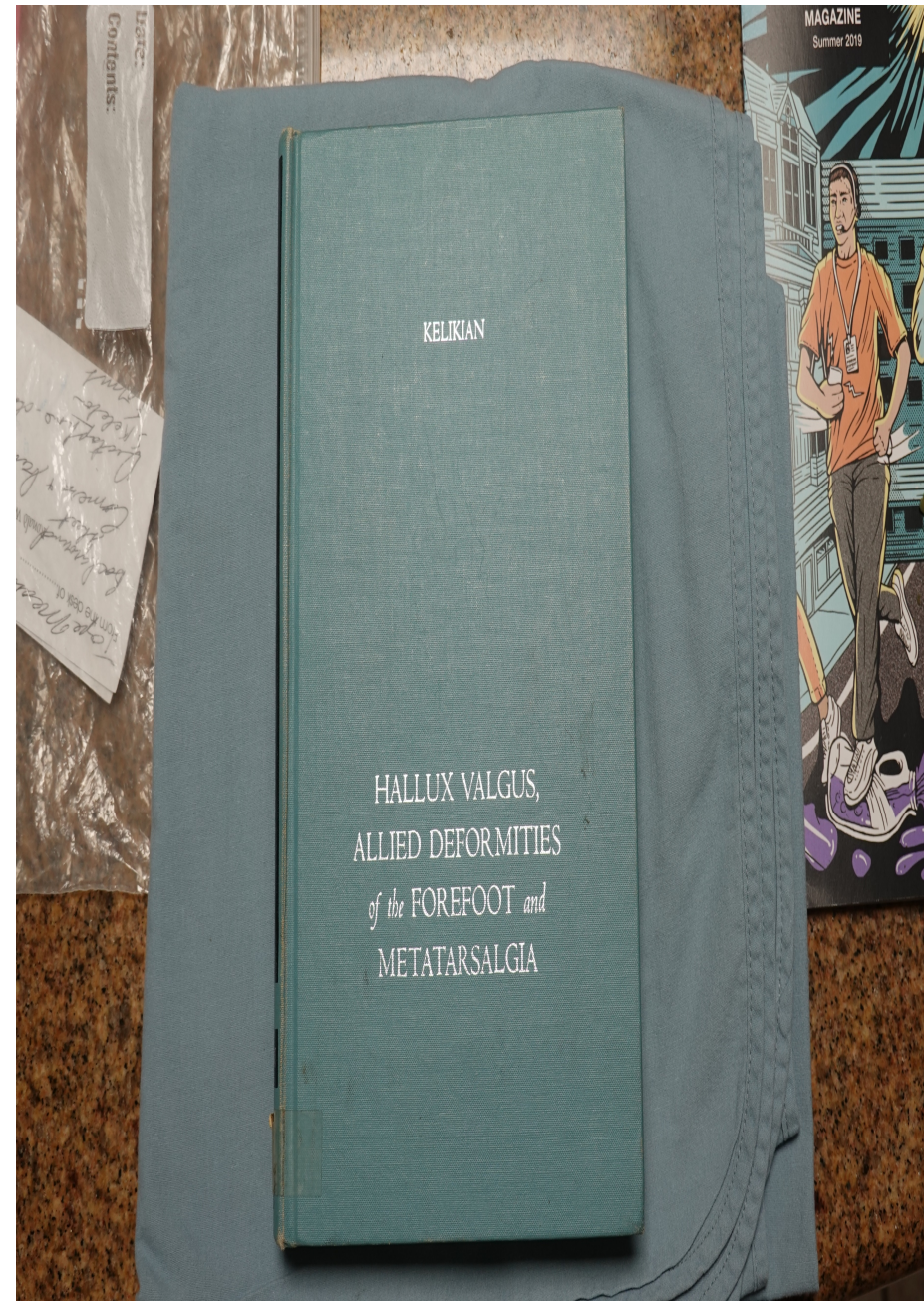
Ronald W. Smith, M.D.

Slides and Carousels— No PowerPoint

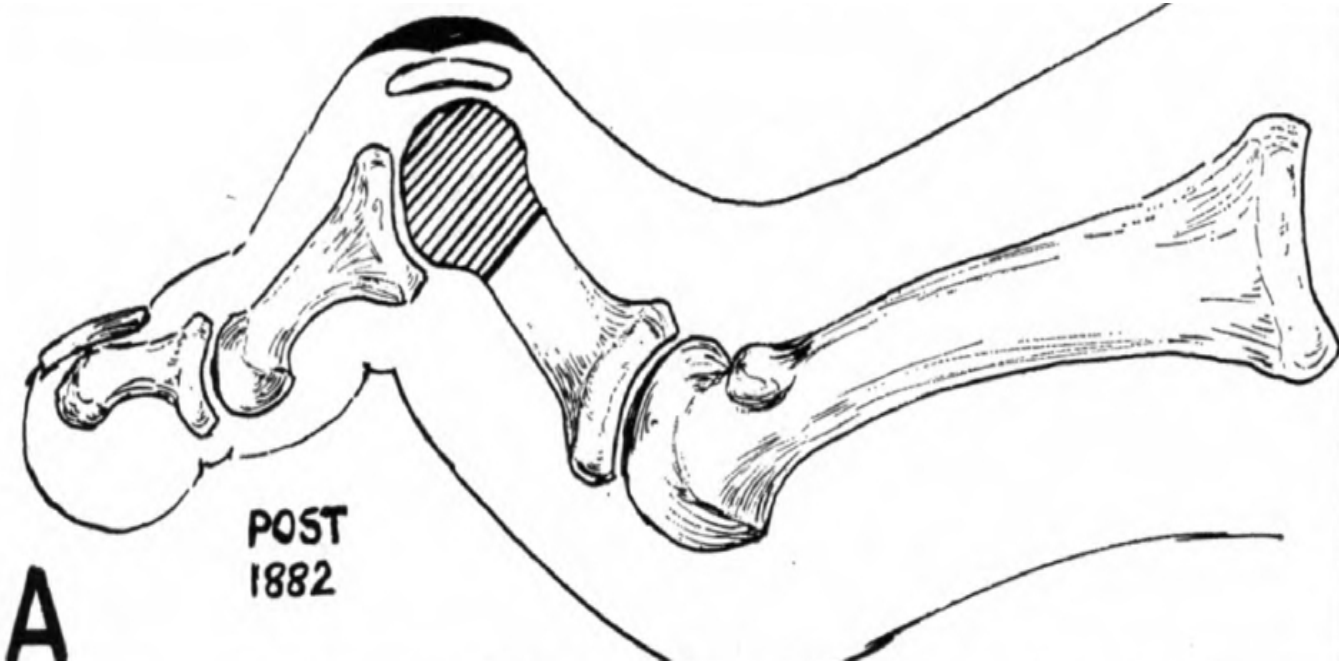


Hampar Kelikian

1965

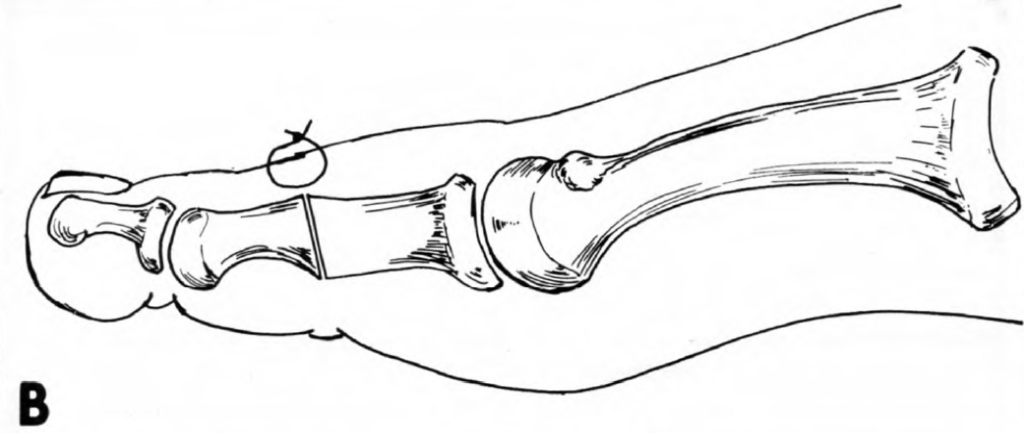
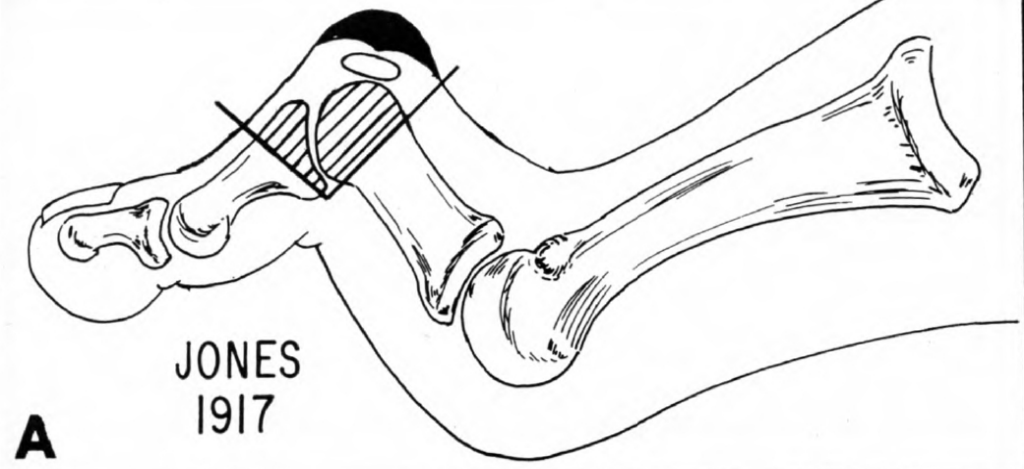


PIP Resection--Post 1882



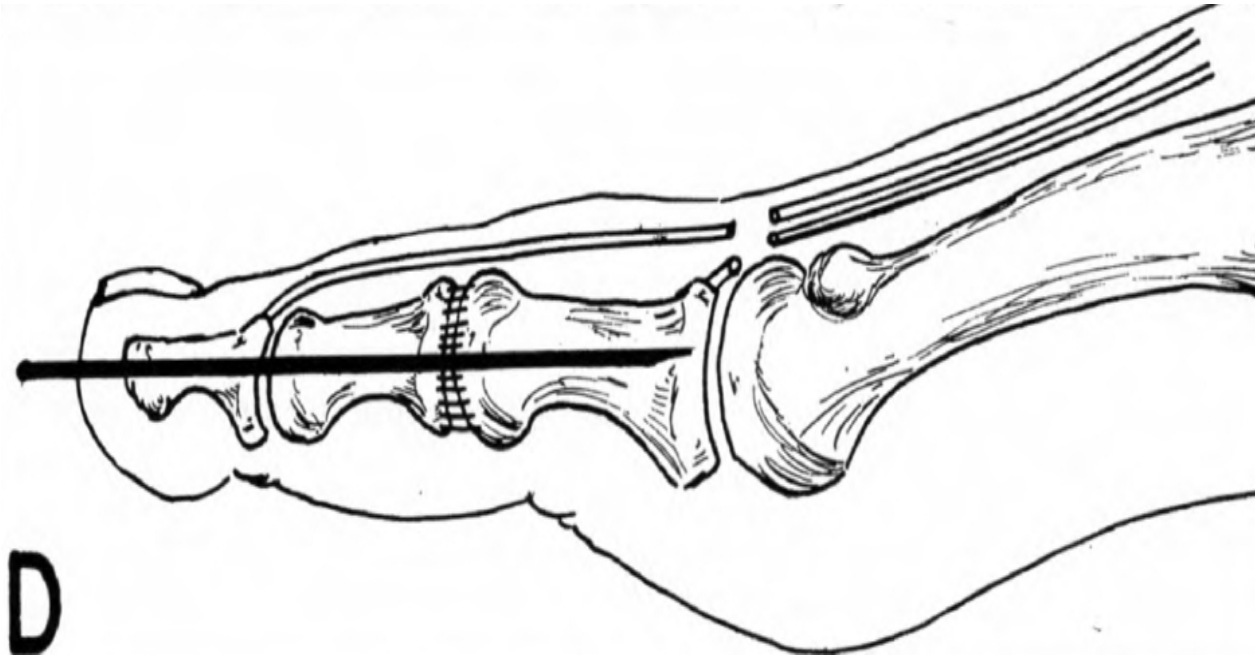
Kelikian 1965

PIP Fusion—Jones 1917



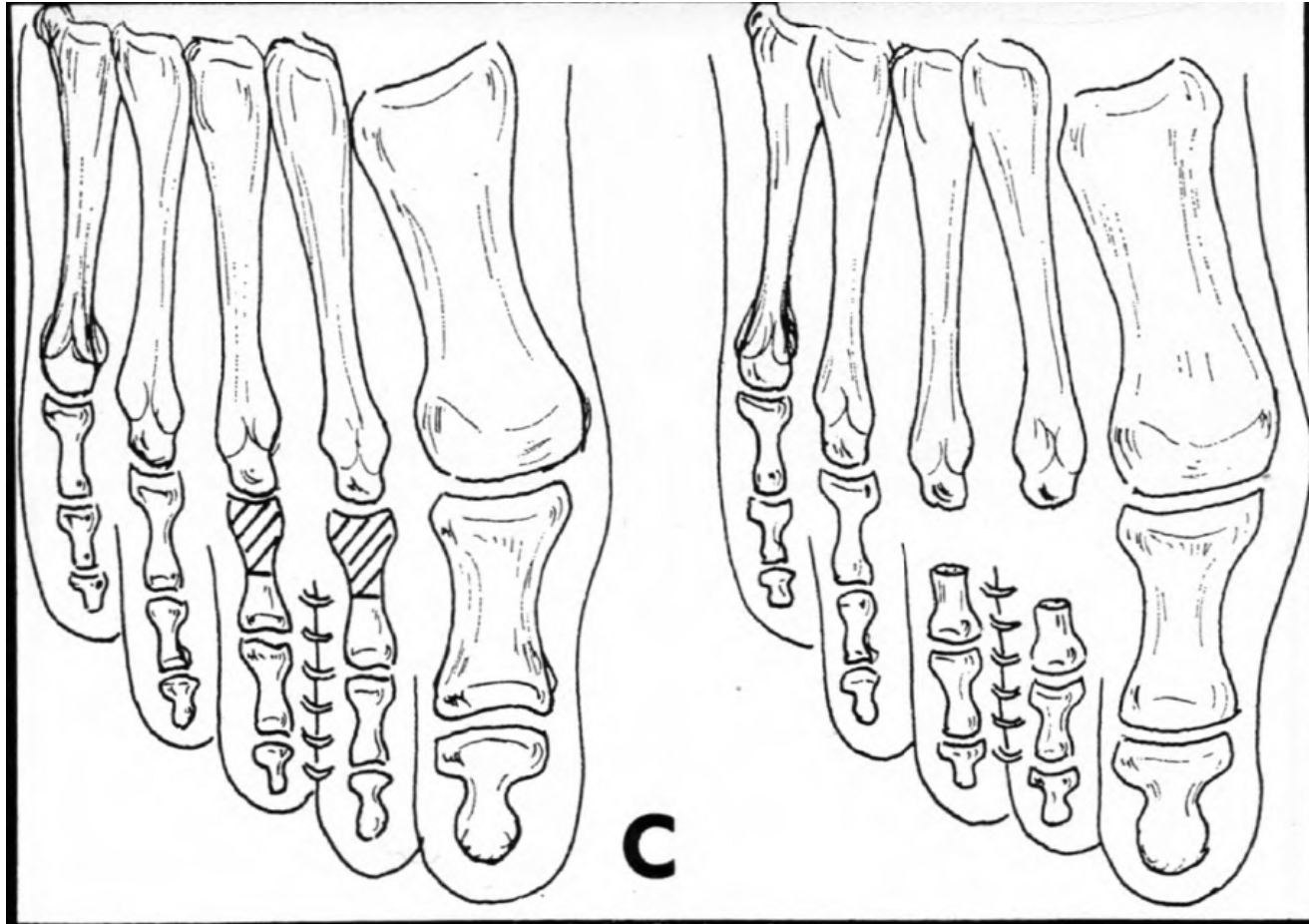
Kelikian 1965

K-Wire Fixation—Taylor 1940



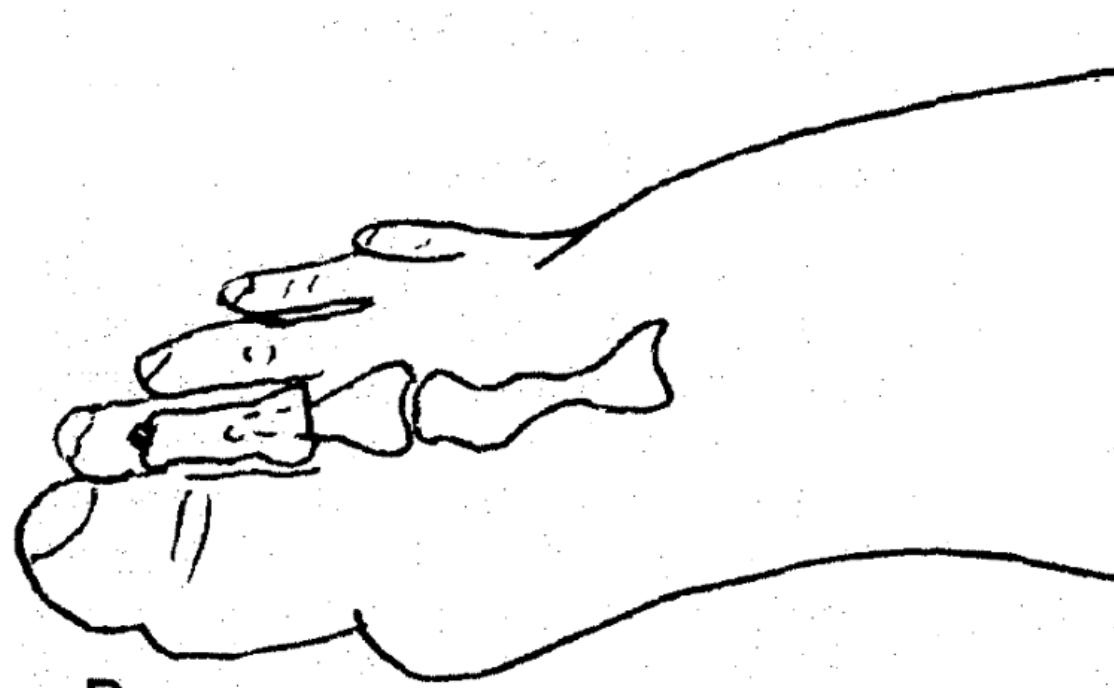
Kelikian 1965

Syndactyly with Partial Proximal Phalangectomy



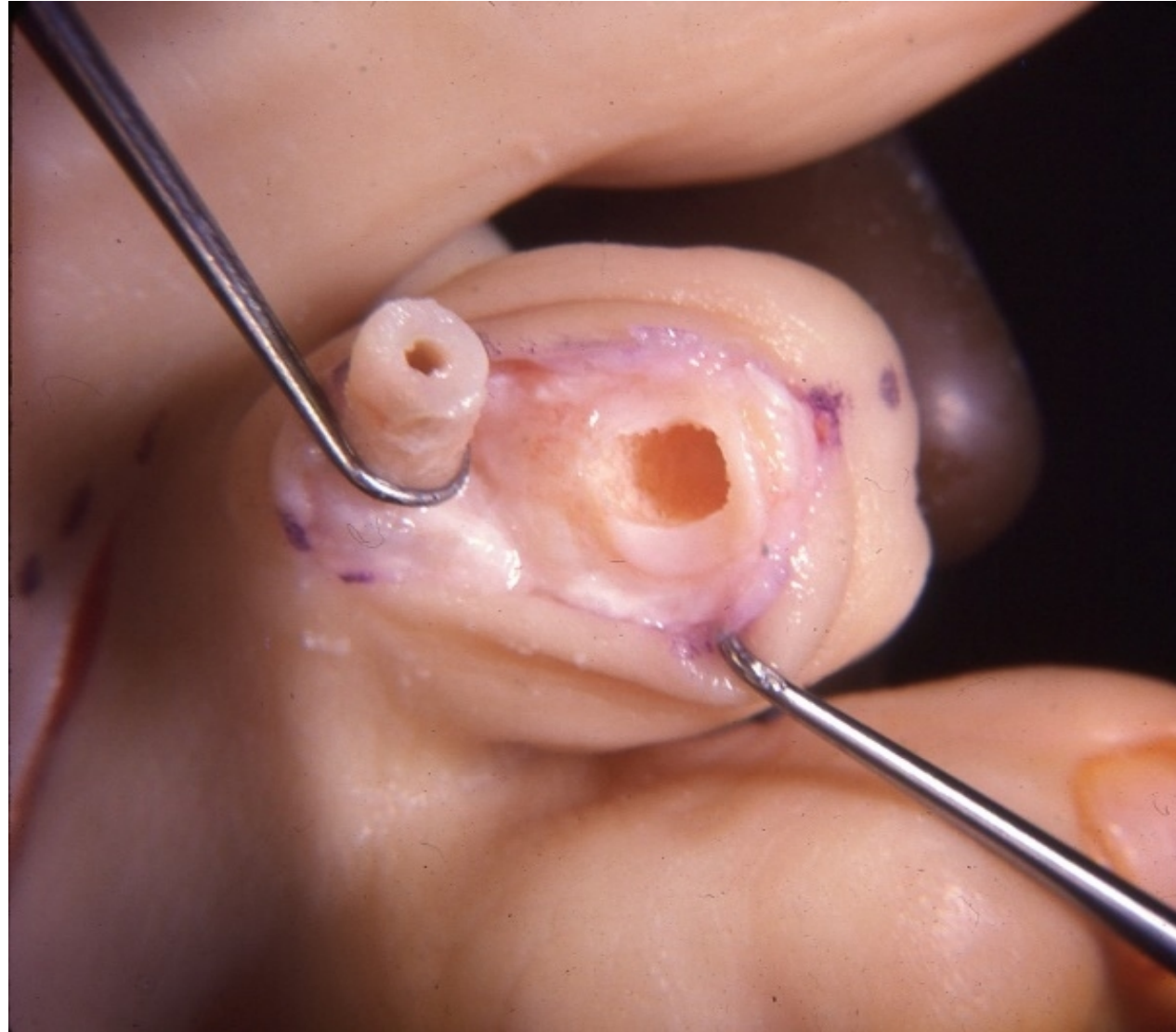
Kelikian 1965

Peg and Dowel PIP fusion. 73 toes. 97% fusion



Alvine/Garvin, FAI, 1980

Peg in hole



Commercially available toe fusion drills





Implant Cost--2019

As low as—

\$2.25 per pin

FAI, 1995

0198-0211/95/1609-0535\$03.00/0

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Treatment of Symptomatic Hammertoe with a Proximal Interphalangeal Joint Arthrodesis

Daniel E. Lehman, M.D.,* and Ronald W. Smith, M.D.†
Indianapolis, Indiana, and Long Beach, California

100 Feet

95% Radiographic Fusion

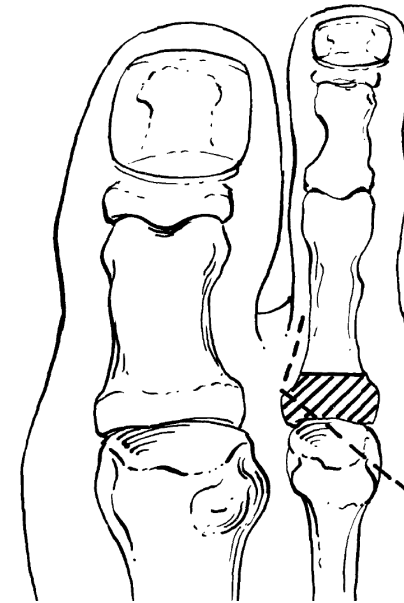
15% Dissatisfaction

FAI, 1994

Treatment of the Atypical Lesser Toe Deformity with Basal Hemiphalangectomy

Mark J. Conklin, M.D.,* and Ronald W. Smith, M.D.†
Long Beach, California

86 Toes
29% Dissatisfaction
Add PIP fusion



Thoughts on Continuing Quality Improvement

Requires incremental changes

Incremental changes from research

Best research changes how we do things.

Overview

The way it WAS for hammer toe (1976-2012): resections and fusions

The way it IS and the future: Sandra Klein, M.D.