

30<sup>th</sup> Annual Orthopaedic Trauma Update: A Tale of Two Cities

# Lessons Learned – A Technique I No Longer Perform

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College of Physicians & Surgeons

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### TRENDS IN ORTHOPEDIC SURGERY

MARSHALL K. URIST, M.D.  
LOS ANGELES

THE SCOPE of modern orthopedics is both medical and surgical. It is a field that is being cultivated with the newest implements of basic science research. Advances in biological research are being applied to orthopedic surgery now more than ever before in history. Papers in orthopedic surgery during the past few years have dealt with embryonic life and the whole span of childhood, maturity, and senility. Newer knowledge has been sought even in ancient bones and anthropological specimens.<sup>1</sup>

- Structure and chemical composition of bone matrix
- Tissue culture
- Healing of fractures
- Bone banks

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## Nonreamed femoral nail

Journal of Orthopaedic Trauma  
Volume 16(11), November 2002, pp 1013-1014  
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Accession: 00001-11-20021013-1014  
Keywords: Femoral nail; Fractures; Femoral femoral nailing; Unreamed femoral nailing

(Original Article)

### Reamed Versus Nonreamed Anterograde Femoral Nailing

Torretta, Paul W. "Torre, Douglas"

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Received April 2, 1999  
Address correspondence and reprint requests to Dr. Paul Torretta III, Department of Orthopaedic Surgery, Boston Medical Center, Cushing 2 North, 870 Harrison Avenue, Boston, MA 02118, U.S.A.  
This paper was selected as one of the best papers presented at the 18th Annual Meeting of the Orthopaedic Trauma Association in Vancouver, Canada, October 1998.  
No financial support of this project has occurred. The authors have received nothing of value.  
This manuscript does not contain information about medical devices.

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### Metal on metal hip



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### Distal femur locking plate



Distal Femur Locking Plate: The Answer to All Distal Femoral Fractures

**ABSTRACT**  
The distal femur locking plate is a new device designed to provide stable fixation of distal femoral fractures. It is a locking plate that allows for rigid fixation of the distal femur. The plate is made of titanium and has a locking mechanism that allows for rigid fixation of the distal femur. The plate is designed to be used in a variety of distal femoral fractures, including comminuted fractures and fractures with comminution. The plate is designed to be used in a variety of distal femoral fractures, including comminuted fractures and fractures with comminution. The plate is designed to be used in a variety of distal femoral fractures, including comminuted fractures and fractures with comminution.

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### BMP 2 – greatest thing for healing fractures

**Bone morphogenetic proteins (BMP)**

- Osteoinductive properties
  - stimulates undifferentiated perivascular mesenchymal cells to differentiate into osteoblasts through serine-threonine kinase receptors
- Complications
  - under or overproduction of bone
  - inflammatory responses
  - early bone resorption

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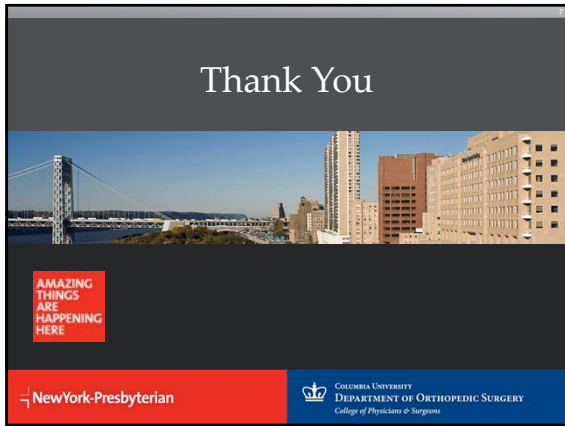
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