Hip Arthroscopy: The Past, Present & Future

Marc R. Safran, MD
Professor, Orthopaedic Surgery
Stanford University
Past President, ISHA

Before The Beginning
- 1931
- Burman
- Cannot Scope The Hip

The Beginning
- Jim Glick
- Painful Hip s/p Fem Rod
- ? Arthritis
- 1977
- Diagnostic Tool

Where We Started
- Diagnostic
  - Unclear Cause of Hip Pain
- Excision
  - Wash Out
  - Loose Bodies
  - Labral Tears
  - Lig Teres Tears
  - Chondral Damage

Peripheral Compartment
- Henri Dorfmann
- Paris
- Rheumatologist
- Synovial Disease

Where We Are
- Things Have Expanded
- Advanced Excision
  - Cam Resection
Where We Are
- Things Have Expanded
  - Advanced Excision
    - Pincer Resection

Where We Are
- Things Have Expanded
  - Advanced Excision
    - IP Lengthening
    - Sciatic Nerve Neurolysis
    - IschioFemoral Decompression
    - AIIS Decompression

Where We Are
- Expansion Has Led To More Than Just Resection
  - Repair
    - Labrum
    - Chondral Damage
      - Microfracture
      - Chondral Repair

Where We Are
- And This Has Expanded Even Further
  - Advanced Repair
    - Capsular Closure
    - Plication
    - Glut Med Repair
    - Hamstring Repair
    - Femoral Head Fx
    - Acet Stress Fx

What Is Being Tried
- Some Are Trying Other More Extensive / Advanced Procedures
  - Reconstruct
    - Labrum
    - MACI
    - Lig Teres
    - Capsule

Where We May Be Going
- Some are Pushing The Limits
  - Advancing Hip Arthroscopy
Pubic Symphysis Endoscopy

Endoscopy

Shelf Procedure for DDH

DDH Felt To Be Beyond Arthroscopic Capabilities

A-S Assisted PAO

ENDOSCOPY-ASSISTED PERI-ACETABULAR OSTEOTOMY
Dean K. Matsuda, MD, Marina del Rey, CA
Hal D. Martin, DO, Dallas, TX
Javad Parvizi, MD, Philadelphia, PA

Where We Are Going

Improved Imaging

- Earlier Detection of Hips At Risk
- Better Cartilage Imaging
- Stage Disease Better

PET Scan

T2 Mapping

Dynamic Imaging

Video Courtesy of Garry Gold, MD, Stanford University
**Improved Imaging**
- Dynamic Imaging

**Navigated Surgery**
- Identify Location of Impingement with Enhanced Imaging
- Predicting Area of Resection

**Navigated Surgery**
- Identify Location of Impingement with Enhanced Imaging
- Predicting Area of Resection
- Feedback of Proper Amount & Location of Resection

**Technique Advancement**
- Ways To Get Delaminated Cartilage to Heal Back
- Reverse Apoptosis / Revive Chondrocytes

**Technique Advancement**
- Treat Problems Currently Beyond Arthroscopic Capabilities
- A-S Assisted or Navigation Assisted Minimally Invasive PAO

**What Is Still Missing**
- A Way To Address OA
- Not THR
- Need Flexible, Durable Bearing Surface That Can Fit Through A Cannula
What Is Missing

- We Have Come A Long Way In The Last 30 Years
- We Still Need Advancements to Treat Bony Problems
  - DDH
  - OA

Hope To See You At

ISAKOS in Shanghai in June
ISHA in Santiago in October 2017

Thank You