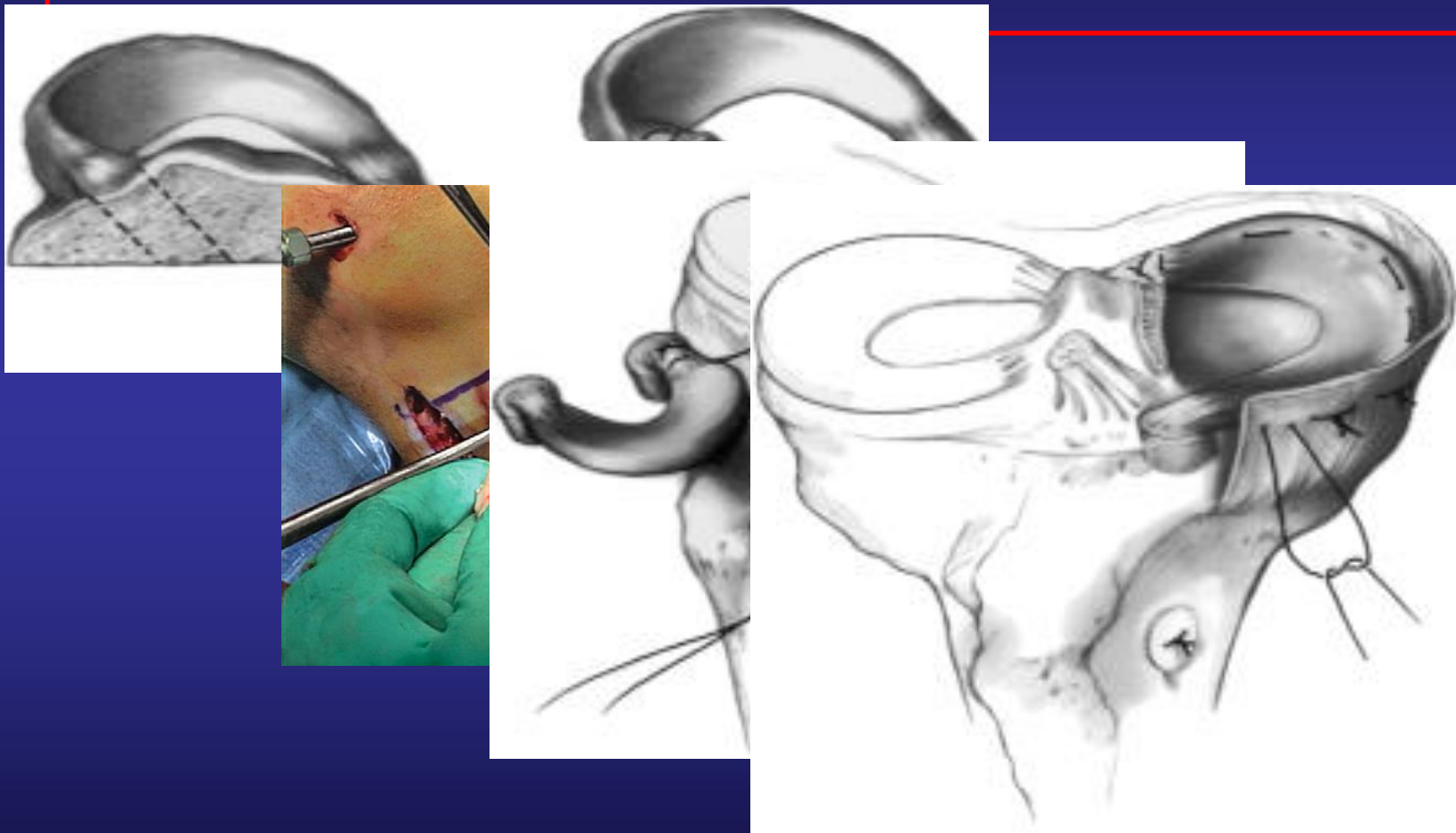


# Lateral Meniscal Transplant





LENOX HILL NYC ---  
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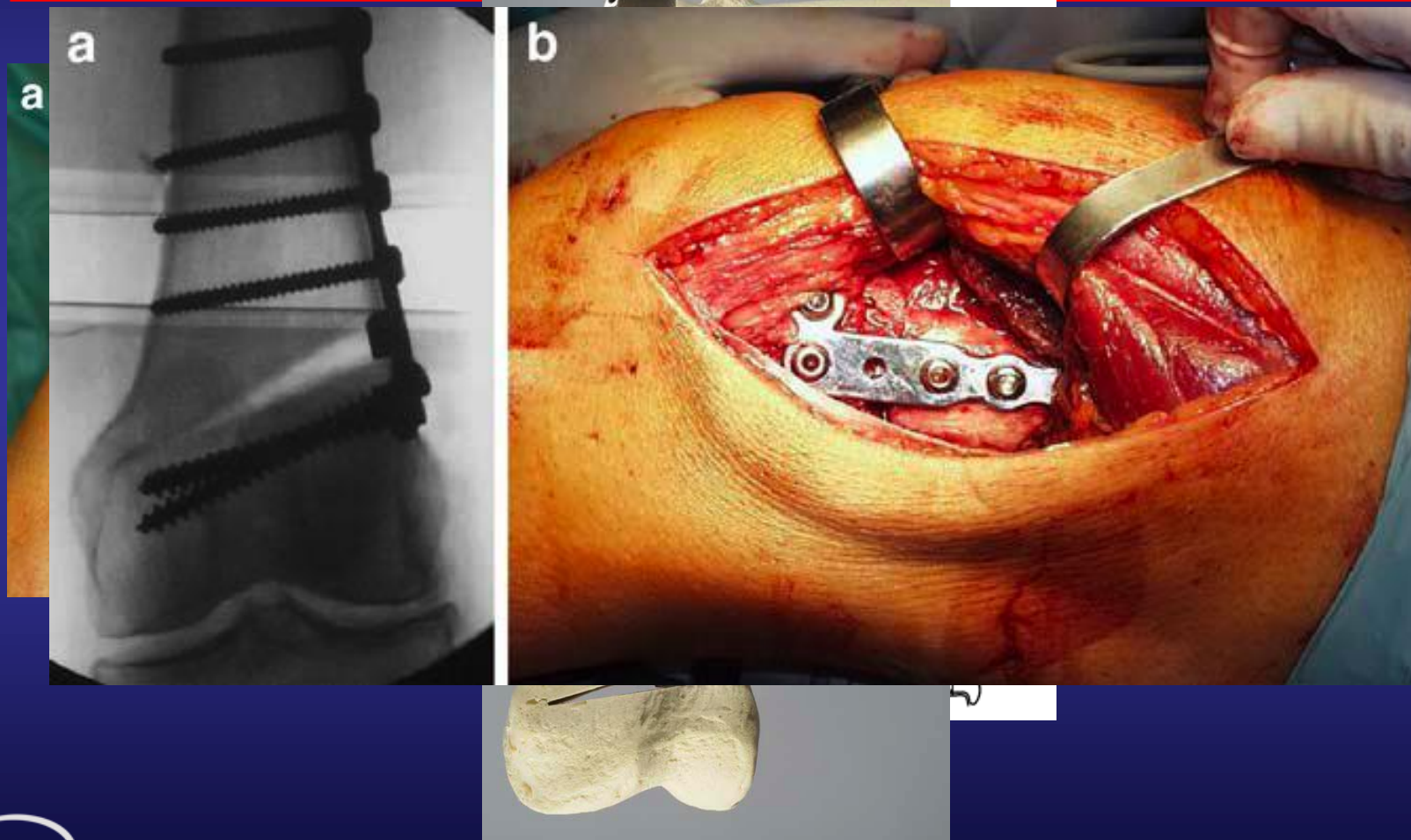








# Operative Procedure DFVO



## Post Operative – 1 week

- 10/20/10
  - Incisions well healed
  - Staples removed, Steri's placed
  - ROM 0-90 degrees
  - TTWB in Bledsoe brace





# Lateral Meniscal Transplant

- Noyes et al, *JBJS* 2005
  - Prospective study
  - 38 pts <50 y/o s/p meniscal transplant w/ cryopreserved meniscus
  - Avg age 30 y/o
  - Avg f/u 40 Months (24-69M)
  - Results:
    - **34/38 (89%) rated knee as improved**
    - Preop 79% had pain w/ ADL's vs. post op only 11%
    - 68% had no pain, 33% had only mild pain
    - 29/38 ( 76%) returned to low-impact sports
    - Complications:
      - 5 repeat arthroscopies for meniscal tears
      - 1 converted to TKA at 35 months

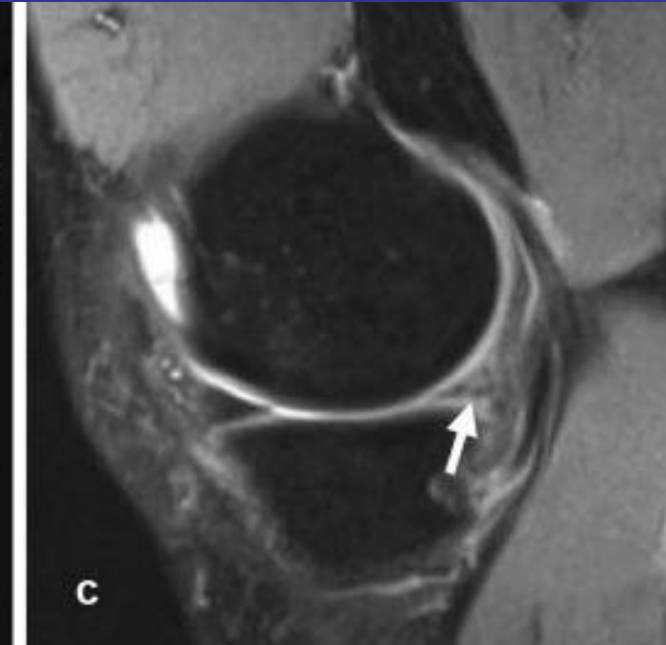
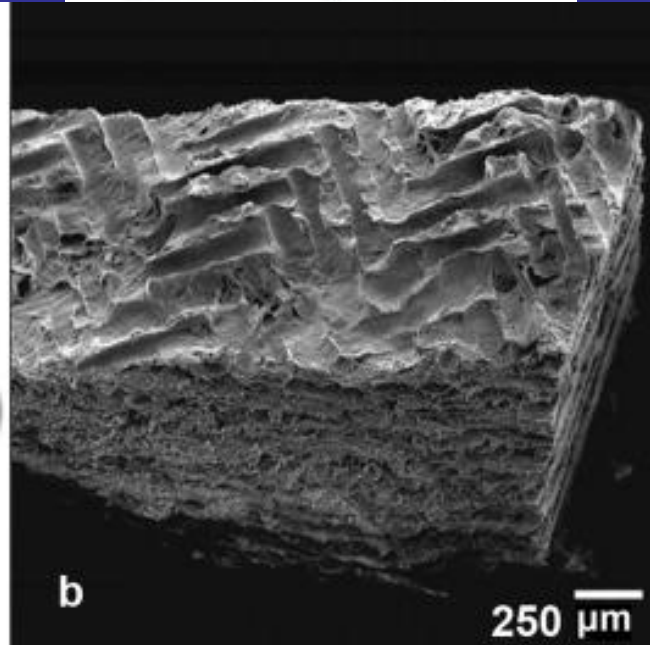
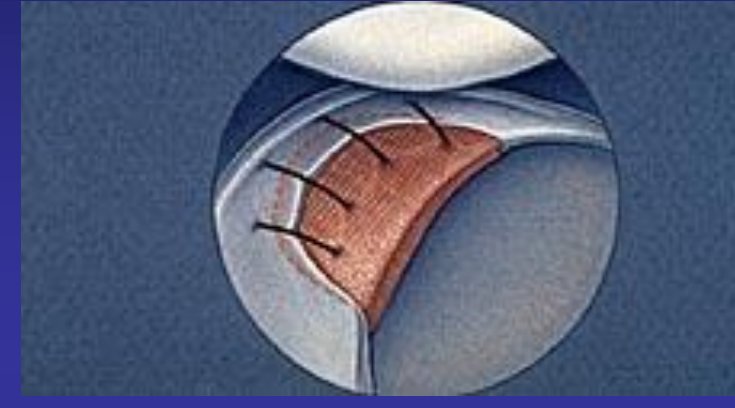
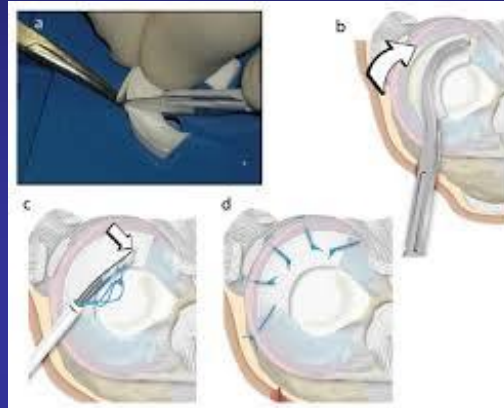


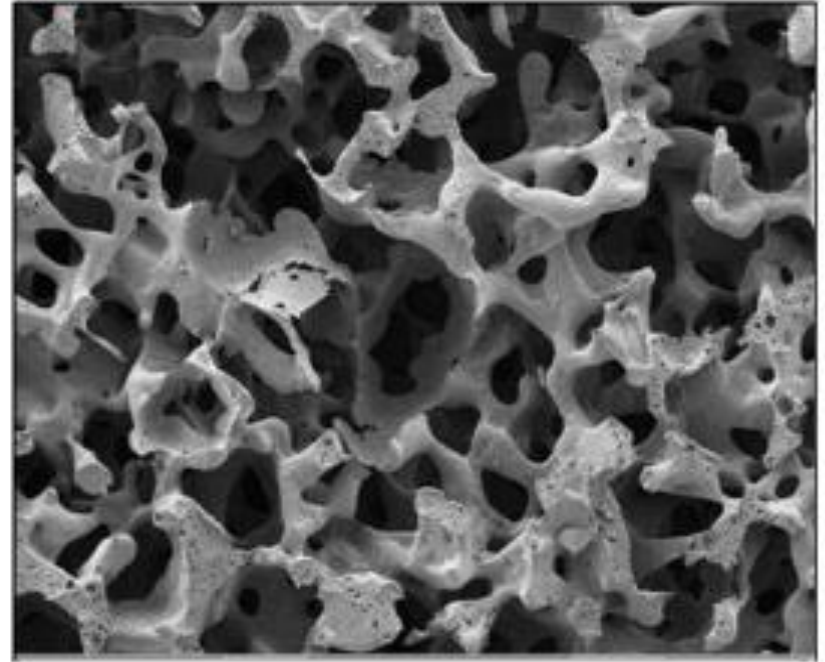
# Synthetic Meniscus

# Two Broad Categories

- For partial meniscectomy
  - Porus implants
    - Collagen Meniscal Implant
    - Actifit
    - FibroFix (Silk)
- For Total Meniscectomy
  - Non Porus
    - NU Surface
      - Polycarbonate Urethane (PCU)
    - TRAMPOLLIN
      - Anatomically shaped
      - Nonresorbable

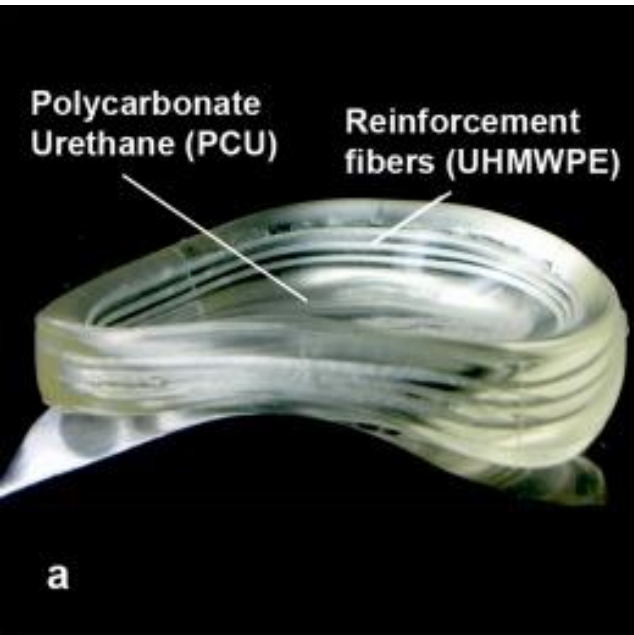
# Collagen Meniscus Implant





Highly porous scaffold made from a biocompatible, slowly degrading  
**aliphatic polyurethane**

# NuSurface



Thank You