

# 1° FLEXOR TENDON REPAIR

## -REHAB-



### Early Mobilisation Technique

- inhibits restrictive adhesion formation
- promotes intrinsic healing and synovial diffusion
- produces a stronger repair compared with immobilised tendons

Physiotherapy should begin ~48hrs p.o. (following communication with surgeon).

### Initial Session

- R/O POP & dressings
  - Wound assessment and gentle cleaning if required-aseptic technique
  - Wounds redressed with minimal dressings to allow mobilisations
  - Dorsal thermoplastic splint fashioned . Include all 4 digits (except FDP Zone 1-Ref 3) or thumb only for FPL repair:
    - Wrist flexed ~0-20°
    - MCP's flexed ~60-90° (90° if Digital Nerve Repair)
    - IP's neutral
  - Advise patient to keep tension off digit strap to prevent inadvertent resisted flexion
  - Home Exercise Program (HEP) taught-with splint kept on:
    - Passive flexion MCP & IP's/active extension IP's x5) "Warm-up"
    - Isometric hold in flexion i.e. place and hold x5) Hourly
  - Elevation +++ (for 2 weeks p.o.)
- Explanation of rehab and importance of patient involvement-**

### First 3 weeks p.o.

- Splint remains on full time (F/T), except under physiotherapy supervision
- HEP a/a continued
- Wound and Skin care advised
- Scar Tissue Massage (STM) begun when wound healed, avoiding strain on repaired tendons
- Protected Passive Movements i.e. in offloaded position

### 3-6 weeks p.o.

- As first 3 weeks
- Active flexion, after warm-up (HEP)
- Active Differential Tendon Gliding Exercises. These elicit maximum total and differential flexor tendon glide at wrist/palm level:
  - Straight Fist = maximum FDS glide in relation to surrounding structures
  - Full Fist = maximum FDP " " " " " "
  - Hook Fist = maximum glide between FDS & FDP
- **Light** Activities e.g. towel walking
  - light pick-ups
  - gentle putty squeezing (light putty)

### 6-8 weeks p.o.

