COMPLEX WOUND MANAGEMENT
EXPOSED TENDON

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“Go Together for Best Practice in Wound and Burn Care”
Hand function

Foot function
Anatomical structures that connect bone to muscle

Nourished by blood vessels and synovial fluid

Ability to glide within tendon sheath creates joint movement

Tendons
Management

Initial
• get rid of infection, FB, necrotic tissue
• Vascular and skeletal stabilization

Delayed
• Nerves
• Musculotendinous
• Skin & soft tissue

Post op
• Rehabilitation
• Late reconstruction
Decision for initial management

Initial Rx

- Underlying and associated injury
- Vascular and skeletal stabilization
- Degree of contamination
- Injured structures
Initial management
Delayed management

Initial Rx
- Underlying and associated injury
- Vascular and skeletal stabilization
- Injured structures
- Degree of contamination

Bone
- Fixation technique

Tendon
- Primary
- Delayed

Nerve
- Motor
- Sensory

Skin/soft tissue
- Graft
- Flap
Primary closure

Immediate or delayed

Graft

Flap

Skin and soft tissue coverage
Wound dressing for delayed coverage

- Wet dressing
- Silver sulfadiazine
- Negative pressure wound therapy
- Silver-impregnated absorbent
Extravasation injury
After 2-week silver sulfadiazine
NPWT
Pressure ulcer

Day 0
Day 7
Day 104

Pressure ulcer
Fixation
Necrotizing fasciitis

Day 0

Day 386

4 years and 6 months
Degloving injury

Day 0
Day 30
Degloving injury
Day 44
Immediate
- Primary
- Graft
- Staged

Delayed
- Primary
- Graft
- Staged
- Tendon transfer

Tendon repair
Coverage of exposed tendon
Dead tendons, fascia
Reversed posterior Interosseous
Abdominal flap
Mutilated hand
Chronic ulcer with Abscess at 2\textsuperscript{nd} toe
Extravasation ulcer

Day 0

Day 13

Day 132
Medial head of gastrocnemius
LD+graft
ALT / sural flap
Post-operative management

Form and function restoration

Operation

Rehabilitation
Initial
- get rid of infection, FB, necrotic tissue
- Vascular and skeletal stabilization

Delayed
- Nerves
- Musculotendinous
- Skin & soft tissue

Post op
- Rehabilitation
- Late reconstruction

Conclusion

Adjacent structures
- skin
- bone/joint
- neuro-motor