Rupture of Achilles tendon after steroid injection in Achilles tendinitis

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• My disclosure is in the Final AOFAS Program Book.

• I have no potential conflicts with this presentation.
Purpose

• Achilles tendon rupture aggravating factors
  – Steroid, fluoroquinolone

• We report a rare Achilles tendon rupture after the steroid injection
Material and methods

• September 2010 ~ December 2011
  – 2 years follow-up

• 5 feet

• Medical records analysis
  – Retrograde
CASE 1, F/47

Lt. hindfoot pain for 3 years (Spontaneous onset)
Other hospital
→ Dx. : Chronic Achilles tendinitis
→ Tx. : steroid injections and physical therapy

Operation
CASE 2, M/69

Lt. hindfoot pain for 8 months
Other hospital
→ Dx. : Chronic Achilles tendinitis
→ Tx. : steroid injections

Operation
CASE 3, F/72

Lt. hindfoot pain for 6 months ago
Our hospital (Rehabilitation medicine)
→ Dx. : Chronic Achilles tendinitis
→ Tx. : steroid injections and physical therapy

Operation

Red circle : Chronic inflammation with degeneration
Blue circle : Fibrinoid deposits
CASE 4, M/57

Lt. ankle pain for 4 months
Other hospital
→ Dx. : Chronic Achilles tendinitis
→ Tx. : steroid injections and physical therapy

Operation

Achilles tendon excisional biopsy

Red circle : Granulation tissue proliferation
Blue circle : Focal hyalinization with calcification
CASE 5, M/65

Lt. hindfoot pain for 5 months
Other hospital
→ Dx. : Chronic Achilles tendinitis
→ Tx. : steroid injections and physical therapy

Operation

Post operation results
- No recurrence of Achilles tendon rupture
- No Clinical Symptoms
References


