

Spontaneous bilateral quadriceps tendon rupture

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INTRODUCTION:

Bilateral quadriceps tendon rupture is a rare injury, but may be encountered in patients with various chronic diseases i.e End stage renal failure (ESRF) after a trivial trauma. In this case report there spontaneous bilateral quadriceps tendon rupture in end stage renal failure patient.

REPORT:

A 62-year old gentleman presented with 1 month history of bilateral knee pain and unable to ambulate. He had history of fall in the bathroom due to a slippery floor a month ago. During the incident he heard a pop sound of the left knee and unable to extended the knee subsequently. On the next day while being assisted into a car, his right knee was had similar symptoms which unable to extend his knee. His medical history included hypertension and 2-year history of dialysis for end-stage renal failure secondary to urolithiasis. Ambulation was not limited prior to incident. Physical examination revealed tender at patella facet bilaterally, palpable gap at quadriceps tendon insertion at superior pole of bilateral patella and unable to extend and flex bilateral knee actively. On sagittal T2 weighted MRI of bilateral knee shown complete ruptures of quadriceps tendon at tendon-osseous.

Patient underwent for bilateral quadriceps tendon repair at our center. Quadriceps tendons were repaired with anchor suture. Intra-operative at the ruptured area appeared fibrotic and calcified, this area was trimmed until bleeder seen. Post-operative patient was referred to sport medicine team for enhance his physiotherapy and rehabilitation program.

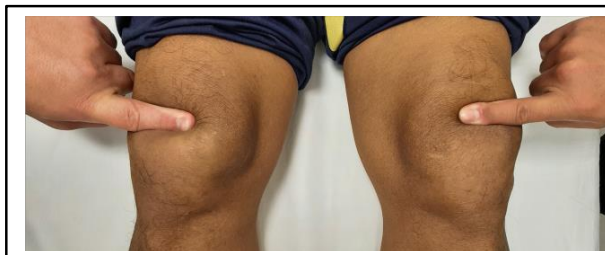
Patient currently able to stand and walking without aid.

Figure 1: Palpable gap proximal to the superior pole of the patella

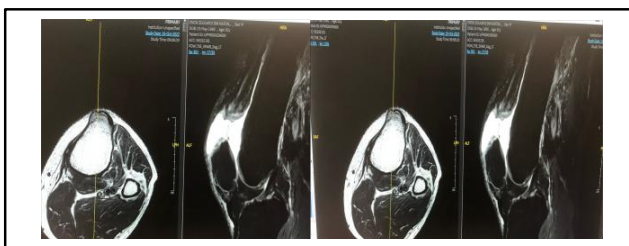
Figure 2: Bilateral knee MRI

CONCLUSION:

High index of suspicion of quadriceps tendon ruptures must be in the top list of the diagnosis made especially for patient with underlying



chronic diseases such as end-stage renal failure (ESRF), even though patient presented with



trivial or minor injury.

REFERENCES:

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