

Clinical assessment & key management strategies for gluteal and proximal hamstring tendinopathies

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Outline

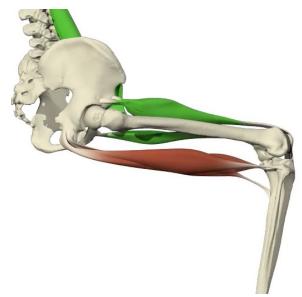
Key diagnostic information

- Patient interview
- Physical examination

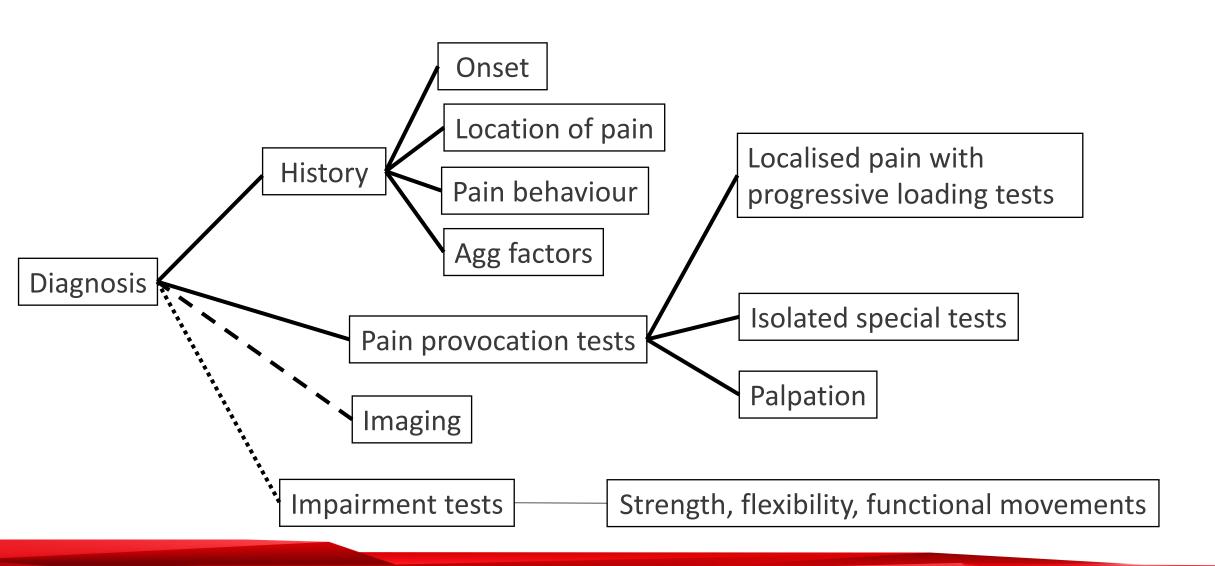
Management

- Education
- Progressive exercise





Diagnosis



Gluteal tendon – subjective

Pain with lying on ipsi-lateral side?¹

Sit to stand?²

KEY QUESTIONS

Walking up/down stairs/slopes?²

Easy to manipulate shoes and socks?³

1 – Rasmussen et al. 1985; Rompe et al. 2009; Schapira et al. 1986

2 – Woodley et al. 2008

3 - Fearon et al. 2013

Proximal hamstring tendon – subjective

Onset? Related to spike in hamstring load¹

Increased pain at faster running speeds?²

KEY QUESTIONS

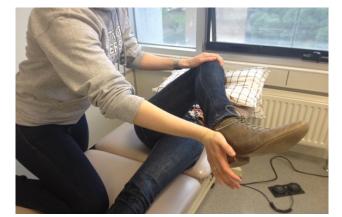
Localised symptom location?¹

Pain worse sitting, on harder surfaces?²

^{2 -} Nasser et al. 2021

Gluteal tendon – objective

- Battery of tests to rule in
- Highest diagnostic test accuracy = 4 x tests in images¹
- Palpation = most sensitive for GMed tendon²
- Modified external derotation³



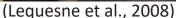
1 - Ganderton et al. 2017

3 - Cowan et al. 2021

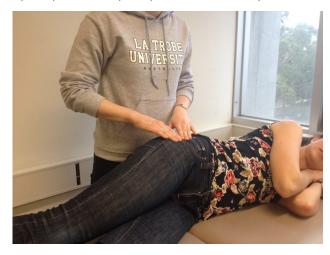
Demystifying the Clinical Diagnosis of Greater Trochanteric Pain Syndrome in Women

Charlotte Ganderton, MPhysio Prac (Hons), Adam Semciw, PhD, Jill Cook, PhD, and Tania Pizzari, PhD











^{2 -} Fearon et al. 2013; Ganderton et al. 2017; Grimaldi et al. 2017

Proximal hamstring tendon – objective

Bent knee stretch test + modified bent knee stretch test¹

Progressive load response tests²

- Double leg body of leg flexion
- Single leg arabesque

Bridge in hip flexion

Palpation









1 = Cacchio et al. 2012

2 = Goom et al. 2016

Education – avoid tendon compression & load management



Gluteal tendon loading











Proximal hamstring tendon loading

- Progressive heavy load
- Isolate the hamstrings
- Hip neutral/near neutral
- 2-3 exercises 3 x week
- Low stability demand











Kinetic chain strengthening

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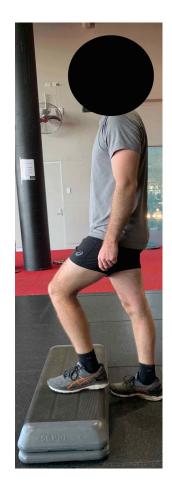




Functional / dynamic control







Issues confronted in the gym

Back squat

- Excessive trunk flexion/depth
- Consider front squat/goblet squat

Dead lift

- Take care re-introducing trunk on body exercises
- Range of motion

Leg press

- Hip flexion range of motion ++
- ? Sport requirements
- ? Concurrent hip joint pathology











Thank you

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