

Afdeling Spoedeisende hulp Westfriesgasthuis

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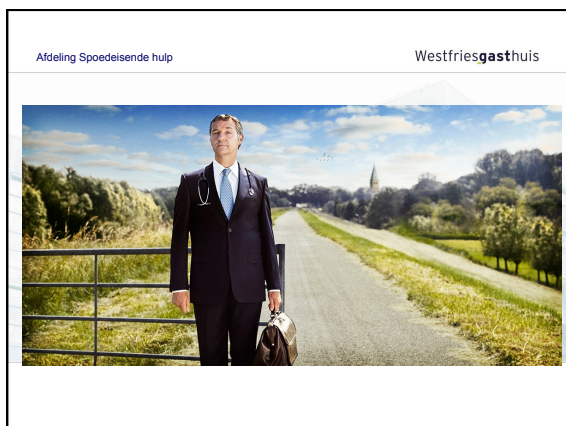
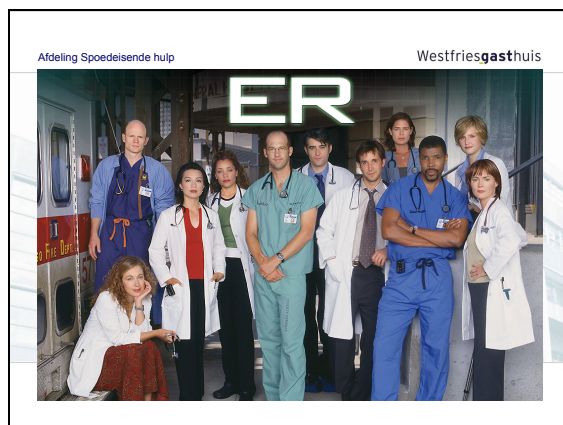
Auscultatie als nuttig hulpmiddel bij de verdenking heupfractuur

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Inhoud

- Aanleiding
- De patella percussie
- Aanbeveling en take home



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Medisch contact Dec 2012

- Peter Brink, Prof. Traumatologie UMC Maastricht


A portrait of Peter Brink, a man with glasses and a white shirt, holding a stethoscope. He is looking directly at the camera.

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Fysische diagnostiek

- Pijn lies
- Verkorting
- Exorotatie
- Onvermogen tot belasten

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Wetenschappelijke onderbouwing

A systematic review of the diagnostic performance of orthopedic physical examination tests of the hip.
Rahman LA¹, et al. BMC Musculoskelet Disord. 2013 Aug 30;14:257.

Diagnostic accuracy of clinical tests of the hip: a systematic review with meta-analysis.
Reiman MP¹, et al. Br J Sports Med. 2013 Sep;47(14):893-902.

Use of the patellar-pubic percussion test in the diagnosis and management of a patient with a non-displaced hip fracture.
Borgeding LJ, et al. J Man Manip Ther. 2007;15(4):E76-84.

Use of percussion as a screening tool in the diagnosis of occult hip fractures.
Tiru M¹, et al. Singapore Med J. 2002 Sep;43(9):467-9.

Diagnosis of hip fracture by the auscultatory percussion technique.
Fie P¹, et al. Am J Emerg Med. 1998 Mar;16(2):173-6.

Clinical use of the patellar-pubic percussion sign in hip trauma.
Adams SL, et al. Am J Emerg Med. 1997 Mar;15(2):172-5.

A reliable sign of fractures of the hip or pelvis.
Carter MC. N Engl J Med. 1981 Nov 12;305(20):1220.

The diagnosis of fractures of the hip and femur by auscultatory percussion.
Peltier LF. Clin Orthop Relat Res. 1977 Mar-Apr;(123):9-11.

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- "Two tests demonstrated strong clinical utility, the patellar-pubic percussion test for excluding radiologically occult hip fractures (negative LR 0.05, 95% Confidence Interval [CI] 0.03-0.08) and the hip abduction sign for diagnosing sarcoglycanopathies in patients with known muscular dystrophies (positive LR 34.29, 95% CI 10.97-122.30)."

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Diagnostic accuracy of clinical tests of the hip: a systematic review with meta-analysis.
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- "The meta-analysis demonstrated that most tests possess weak diagnostic properties with the exception of the patellar-pubic percussion test, which had excellent pooled SN 95 (95% CI 92 to 97%) and good specificity 86 (95% CI 78 to 92%)."

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Vragen?



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Take Home

- De stethoscoop is ook bij de heupfractuur een waardevol fysisch diagnostisch instrument
- Als een patiënt niet een overduidelijke heupfractuur heeft kan de PPPT behulpzaam zijn

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Referenties

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Carter MC. *N Engl J Med*. 1981 Nov 12;305(20):1220.

The diagnosis of fractures of the hip and femur by auscultatory percussion.
Petter LF. *Clin Orthop Relat Res*. 1977 Mar-Apr;(123):9-11.