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Title: Pressure algometry is an excellent tool to measure knee pain relief after a closing-wedge high tibial osteotomy

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Original article**Pressure algometry is an excellent tool to measure knee pain relief after a closing-wedge high tibial osteotomy**

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ABSTRACT

Purpose. The aim of this study was to assess the utility of pressure algometry (PA) to measure pain relief in the medial part of the knee after a closing-wedge high tibial osteotomy (CWHTO).

Methods. Prospective study including 44 CWHTO. Pain relief was evaluated with the visual analogue scale (VAS) and PA, a radiological study was done and a functional assessment was carried out with the KSS pre-operatively, at 6-months and at 1-year after the surgery. PA was applied to the medial and lateral part of the knee and to the infra-clavicular fossa as a control point.

Results. The mechanical femorotibial angle was changed from 172.2°(SD2.2) to 180.6°(SD2.6)(p=0.00). KSS Knee improved from 53.4 (SD11.2) to 92.8 (SD7.3)(p=0.00),

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