Test Yourself Question: Right knee pain following prolonged standing

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A 43-year-old prison guard man presented with right knee pain for 3 months following prolonged standing at work (Figs. 1, 2, 3 and 4).

Fig. 1 (a) Lateral radiograph and (b) computed tomography of the right knee reconstructed in the sagittal plane

The diagnosis can be found at <https://doi.org/10.1007/s00256-021-03839-z>

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Fig. 2 Magnetic resonance imaging. Axial T1-weighted imaging with fat saturation before (a) and after intravenous gadolinium injection (b)

Fig. 3 (a) Axial diffusion-weighted imaging (DWI), (b) apparent diffusion coefficient (ADC) map of the right knee. (c) Axial color coded semi-quantitative map and (d) time-signal intensity curve (red curve is from the solid portion of the lesion and the yellow curve is from popliteal artery)

Fig. 4 (a) Histopathological photomicrographs (hematoxylin and eosin staining) at 400× power and (b) immunohistochemistry analysis for S100 protein at 100× power

Declarations

Ethical approval All procedures performed in studies involving human participants were in accordance with ethical standards of the institutional and national research committee and with the 1964 Helsinki declaration and its later amendments or comparable ethical standards.

Informed consent Informed consent was obtained from all individual participants included in the study.

Animal rights This article does not contain any studies with animal subjects performed by the any of the authors.

Conflict of interest The authors declare that they have no conflict of interest.

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