Delayed presentation of symptomatic psoas haematoma in post kyphoplasty for myeloma: a case report

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Abstract

The Royal National Orthopaedic Hospital (RNOH) is a tertiary referral centre and myeloma patients are discussed with a Multidisciplinary Team. Balloon Kyphoplasty procedures are routinely performed in such patients when clinically indicated with good results and a low complication rate. There is little data reported in the literature about post balloon kyphoplasty haematoma formation and his management. We present the first known reported case delayed post-operative psoas haematoma in a myeloma patient treated with balloon kyphoplasty.

A 40-year-old male patient with diagnosed IgG lambda multiple myeloma was referred to the spinal unit based at the Royal National Orthopaedic Hospital. A L5 fracture was deemed to be the cause of significant lower back pain and surgical management was decided. He underwent a L5 balloon kyphoplasty with good immediate results and in absence of any immediate or early complication. The distal neurology was intact and the spine stable. The patient was discharged one day post-operatively with only simple analgesia and was in good general condition. 3 days after surgery he underwent a left hamstrings anterior cruciate ligament reconstruction. Two days following the latter he developed excruciating pain in his left groin and thigh associated with numbness. A pelvis MRI scan showed a left ileo-psoas haematoma.This case was treated conservatively according to the multidisciplinary team.

This is a unique case of delayed haemorrhage following kyphoplasty with symptomatic psoas haematoma formation in a patient with multiple myeloma. The haematoma was deemed to be caused by a bleed at the time of surgery from the artery of the Pars Interarticularis. We would suggest to avoid this trocar should first be placed on the transverse process and manoeuvred medially to the start point on the pedicle.

Image



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Biograph:



Valerio Pace has completed his MBBs at the age of 27 years from University of Perugia. He worked at FY, SHO and T&O Registrar level in the UK between 2013 and 2017, working at the Royal National Orthopaedic Hospital from April 2015 to October 2017. He is now a T&O Resident Doctor at the University of Perugia (Italy). He also has a "Honorary Research Contract" at the Royal National Orthopaedic Hospital. He has published 6 papers in reputated journals, presented at several conferences and carrying on plenty of ongoing research projects.

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