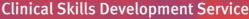


TRAUMA AND THE OLDER PERSON Minor pelvic trauma Case discussion

Participant resource kit







Queensland Trauma Education

The resources developed for Queensland Trauma Education are designed for use in any Queensland Health facility that cares for patients who have been injured as a result of trauma. Each resource can be modified by the facilitator and scaled to the learners needs as well as the environment in which the education is being delivered, from tertiary to rural and remote facilities.

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Queensland Trauma Education

Trauma and the Older Person – Minor pelvic trauma: Case discussion – Participant resource kit

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About this training resource kit

This resource kit provides healthcare workers with the knowledge to assess and manage a geriatric patient with low velocity pelvic trauma with multisystem injury found upon further imaging.

National Safety and Quality Health Service (NSQHS) Standards



Learning objectives

By the end of this session the participant will be able to:

- Recognise the high incidence of low velocity trauma in elderly.
- Consider multi-factorial aetiology of presentations.
- Recognise elderly presentations may differ to younger population.
- Understand the injury pattern can be significant despite simple mechanism.
- Identify the challenges associated with clinical assessment in elderly trauma.

Overview of pelvic trauma

Low mechanism trauma can result in significant injury profile in the geriatric population. Pelvic injuries in the older population have a significant morbidity and mortality associated with overall decreased quality of life following this presentation.^{1, 2}

30% of pelvic fractures occur following a low fall in the elderly population, which increases to 50% in the octogenarian group.³

Further reading

Pelvic ring injury in the elderly: Fragile patients with substantial mortality rates and	
long-term physical impairment	

Publication	PLOS One
Link	https://doi.org/10.1371/journal.pone.0216809

Closed pelvic fractures: characteristics and outcomes in older patients admitted to medical and geriatric wards

Publication	Postgraduate Medical Journal 2000
Link	https://doi.org/10.1136/pmj.76.900.646

Survivorship and Severe Complications Are Worse for Octogenarians and Elderly Patients with Pelvis Fractures as Compared to Adults: Data from the National Trauma Data Bank

Publication	Journal of Osteoporosis 2012	
Link	https://doi.org/10.1155/2012/475739	

Acronyms and abbreviations

Term	Definition
Hb	haemoglobin
HDU	high dependency unit
ICU	intensive care unit
IR	interventional radiology
ОТ	operating theatre
EFAST	extended focussed abdominal sonography in trauma
Haemostatic resuscitation	balanced transfusion to provide clotting factors, red cells and volume for the acutely bleeding patient

References

- Banierink H, Ten Duis K, de Vries R, et al. Pelvic ring injury in the elderly: Fragile patients with substantial mortality rates and long-term physical impairment. *PLoS One*. 2019;14(5):e0216809. Published 2019 May 28. <u>https://doi.org/10.1371/journal.pone.0216</u> 809
- Morris RO, Sonibare A, Green DJ, et al. Closed pelvic fractures: characteristics and outcomes in older patients admitted to medical and geriatric wards. *Postgraduate Medical Journal 2000*;76:646-650. <u>https://doi.org/10.1136/pmj.76.900.646</u>
- Matityahu A, Elson J, Morshed S, Marmor M. Survivorship and Severe Complications Are Worse for Octogenarians and Elderly Patients with Pelvis Fractures as Compared to Adults: Data from the National Trauma Data Bank. *Journal of Osteoporosis*, vol. 2012, Article ID 475739, 10 pages, 2012. <u>https://doi.org/10.1155/2012/475739</u>

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Scan the QR code or visit: https://www.surveymonkey.com/r/3FWL3ZD





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