

2nd cervical
or Axis

1st

1st lumbar



ASPIRE™

VERTEBRAL FRACTURE CASE FINDING SERVICE

“Aspire to nothing less than greatness.
And I believe greatness is within our grasp”
Sonny Perdue

1 in 7

CT scan patients have a vertebral fracture

We will find them for you

- Vertebral fragility fractures are the most prevalent fracture but remain largely undiagnosed
- They are imaged every day whilst investigating other conditions
- Identify them with our ASPIRE™ case finding service
- Detection of subclinical or undiagnosed vertebral fractures on routine chest CT scans has been shown to identify individuals who are at triple the risk of future hip fracture¹
- Even the best FLSs in the world perform poorly with identifying vertebral fractures
- Opportunistic detection is encouraged by national and international guidelines

Finding vertebral fractures is challenging

Recent studies found that 78%² and 63%³ of hip fracture patients had prevalent vertebral fractures.

Vertebral fractures should be your next target

- An average NHS Trust acquires approximately 10,000 CT volumes a year that contain spinal vertebrae
- Suitable CT volumes are regularly identified and transferred to Optasia for analysis
- CT volumes undergo sagittal reformat prior to analysis
- Deformities suggested by machine learning algorithms and confirmed by radiologist over read
- Identified fracture patients passed to FLS or GP for follow up
- 'Invest-to-save' pricing ensures service is funded through prevented secondary fractures

ASK US ABOUT CLINICAL DEPLOYMENT

¹Buckens CF, de Jong PA, Mali WP, et al. Prevalent vertebral fractures on chest CT: higher risk for future hip fracture. J Bone Miner Res. 2014 Feb;29(2):392-8.

²Imai N, Endo N, Hoshino T, et al. Mortality after hip fracture with vertebral compression fracture is poor. J Bone Miner Metab. (2016) 34: 51.

³Sosa Henríquez M, Saavedra Santana P; grupo de trabajo en osteoporosis de la Sociedad Española de Medicina Interna (SEMI). [Prevalence of vertebral fractures in hip fracture patients]. [Article in Spanish]. Rev Clin Esp. 2007 Oct;207(9):464-8.

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