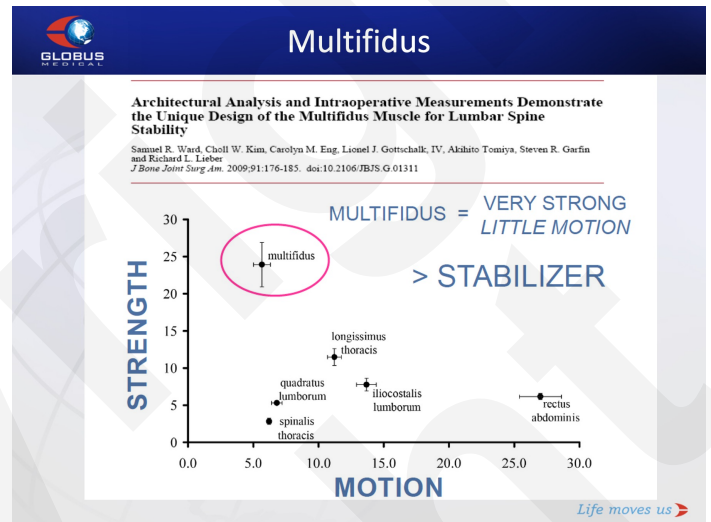


GLOBUS MEDICAL

TLIF Tips
 Mr Michael J H McCarthy
 Consultant Spinal Surgeon
 University Hospitals of Wales, UK

Fusion Portfolio Minimally Invasive Surgery Biomaterials Motion Preservation

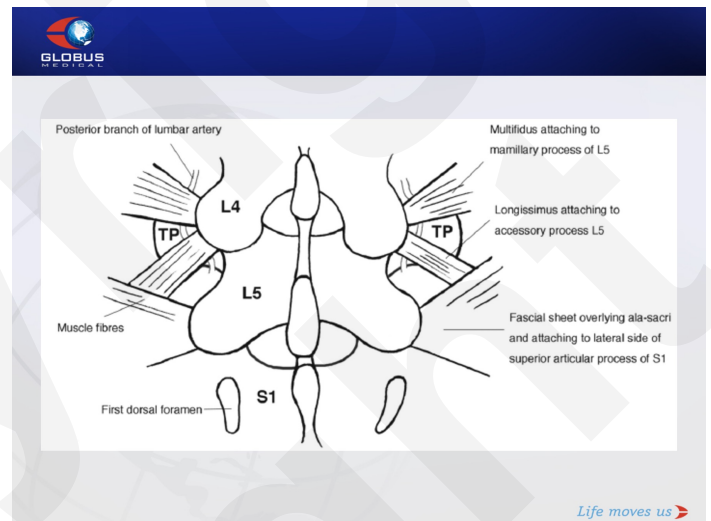
Life moves us ➤



Remember the Multifidus

- Multifidus originates from spinous process and inserts on mammillary process 2 levels below - detaching it affects > 1 spinal level
- MIS
 - Avoid tendon detachment
 - Avoid powerful retractors / crush injury (pain) - tubes

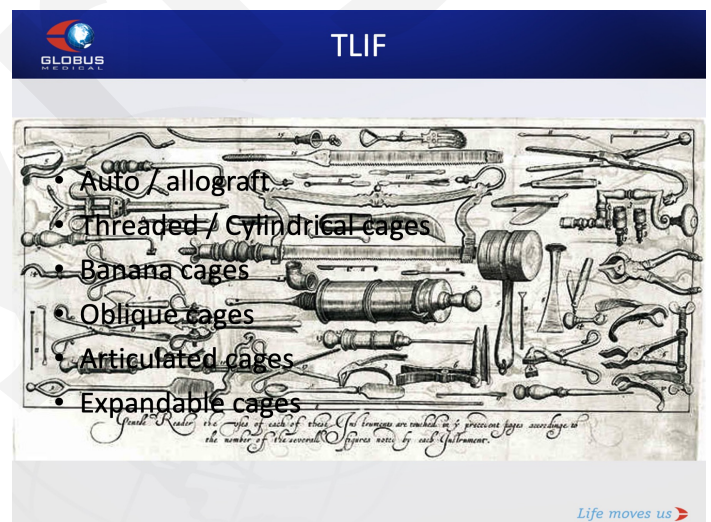
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Fusion

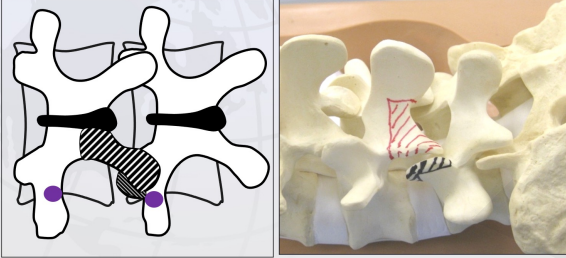
- **Fusion – think:**
 - α contact surface area ($1/\alpha$ subsidence)
 - $\uparrow$ compression $\downarrow$ tension
 - autograft > allograft > synthetic
 - vascular > avascular
 - structural graft > non structural
 - BMP...
 - And unfortunately fusion may not be α clinical outcome

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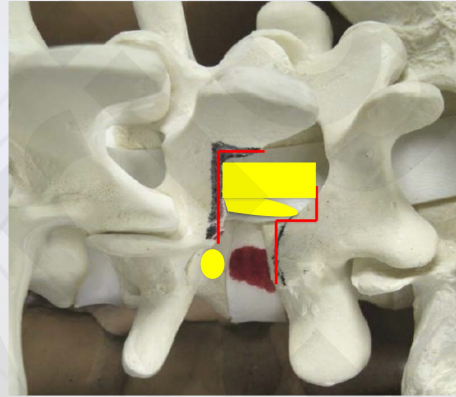


TLIF

- Inferior articular process IAP (red)
- SAP (blue)
- Lamina to base of spinous process



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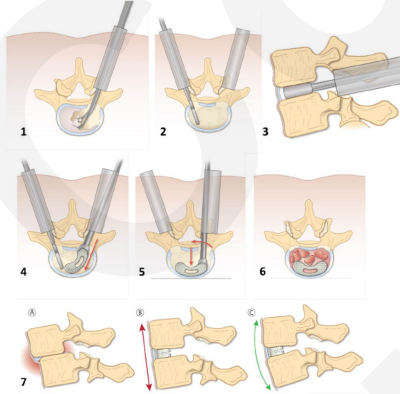


**Proficiency
Point
MIS TLIF =
25 cases**

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Effect of steerable cage placement during minimally invasive transforaminal lumbar interbody fusion on lumbar lordosis

Timothy E. Lindley^a, Stephanus V. Viljoen^b, Nader S. Dahdaleh^{c,*}



- Bilateral facetectomies
- Improved lordosis

Journal of Clinical Neuroscience 21 (2014) 441-444

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L5/S1 Foraminal Stenosis - Steroids

