

**M5.2**

**Minimally Invasive Spine Surgery**

**14:30 Room 221**

## **Minimally Invasive Spine Surgery: Indications and Applications**

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Minimally invasive spine surgery (MISS) is rapidly developing in recent years. The basic principles are decreasing iatrogenic muscle and soft tissue injury, limiting the amount of tissue resection to minimise post-operative spinal instability, utilising known neurovascular planes and decreasing the size of the surgical corridor to coincide with the target surgical site. The original aim of the operation and safety should not be compromised when using MISS. The indications of MISS are evolving and MISS has been applied in all major aspects of spine surgery. Usage of tubular retractors, application of endoscopes and percutaneous insertion of pedicle screws insertion are common MISS techniques. Common applications for MISS include posterior decompression for prolapse disc and spinal stenosis, spinal fusion for degenerative conditions and deformities, stabilisation in spinal trauma, pain control in osteoporotic vertebral compression fractures and management of spinal tumours.

