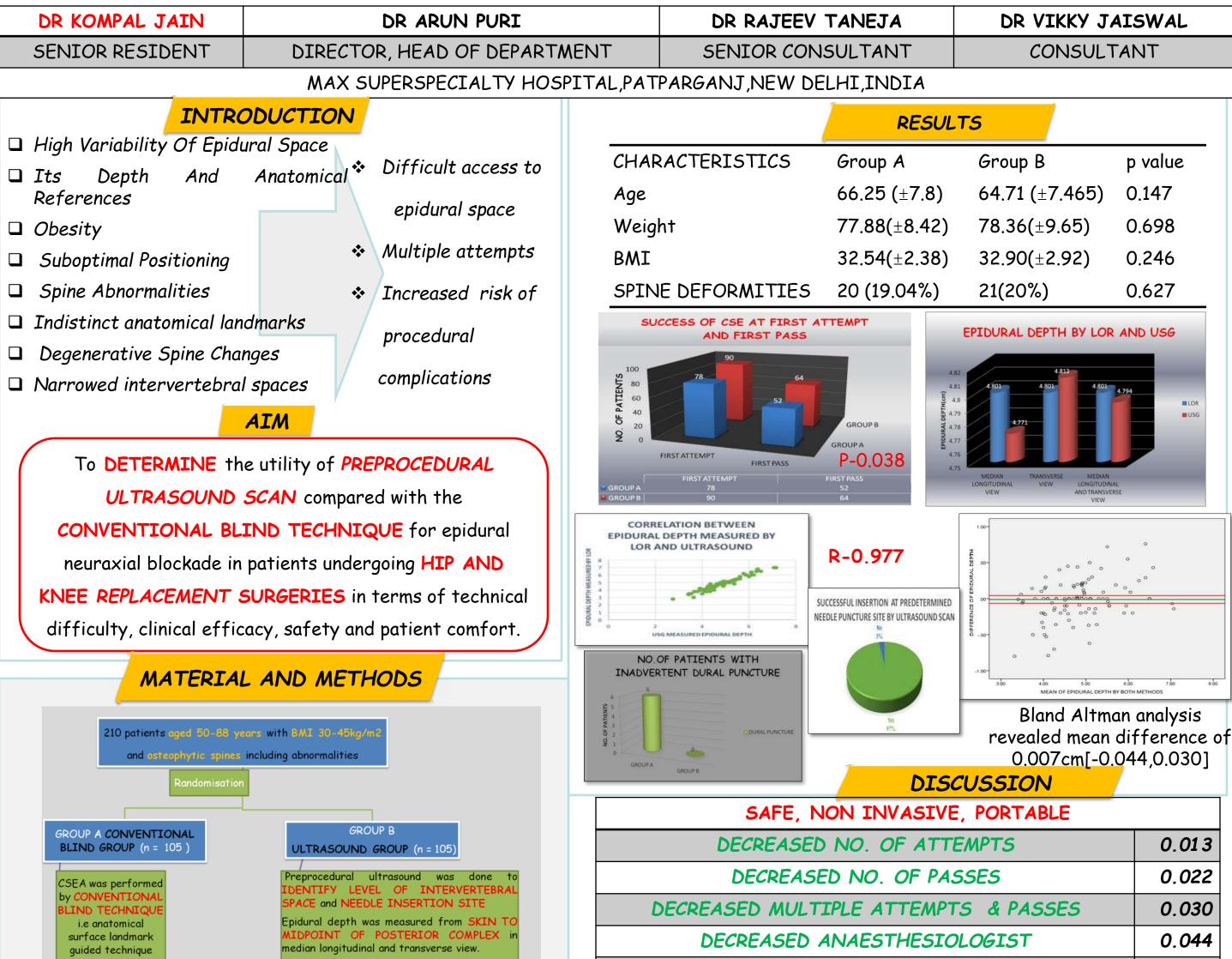


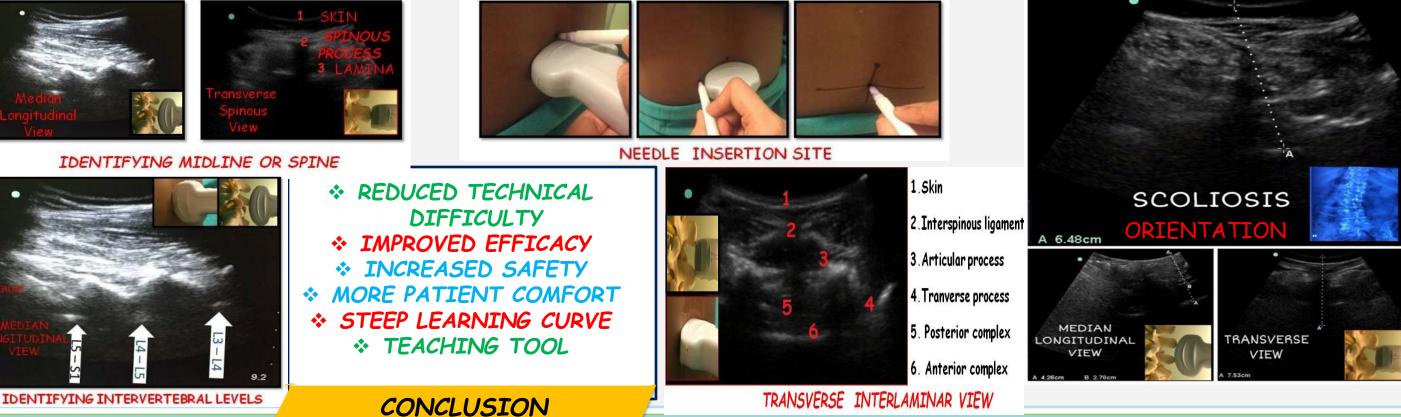
USE OF ULTRASOUND FOR EPIDURAL NEURAXIAL BLOCKADE IN HIP AND KNEE REPLACEMENT SURGERIES: A RANDOMISED CONTROLLED STUDY



CSEA was performed at **PREVIOUSLY** MARKED NEEDLE INSERTION SITE with REDETERMINED DEPTH OF EPIDURAL PACE measured by ultrasound.

Two tailed tests, Pearson correlation coefficient and Bland-Altman analysis with 95% confidence interval **IDENTIFY THE SPINOUS PROCESS**

	DECREASED MULTIPLE ATTEMPTS & PASSES	0.030
	DECREASED ANAESTHESIOLOGIST	0.044
	DECREASED COMPLICATIONS	0.003
	DECREASED ACCIDENTAL DURAL PUNCTURE	0.013
	BETTER VAS SCORE	0.157
	BETTER PATIENT SATISFACTION SCORE	0.019



PREPROCEDURAL ULTRASOUND SCAN improves success rate for epidural neuraxial blockade .

It can be used as AN ADJUNCT TO LUMBAR EPIDURAL BLOCKS in obese patients with osteophytic abnormal spines.

Therefore, lumbar ultrasound scan is a valuable skill to learn to ensure higher standards of healthcare.

Ghosh S, Madjdpour C, Chin K. Ultrasound-guided lumbar central neuraxial block. BJA Educ 2016;16(7):213-220

Srinivasan KK , Lee PJ , Lohom G. Ultrasound for neuraxial blockade. Med Ultrason 2014; 16(4):356-363

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Perlas A, Chaparro LE, Chin KJ.Lumbar Neuraxial Ultrasound for Spinal and Epidural Anesthesia: A systemic review and Meta-Analysis. Reg Anesth Pain Med 2016 Mar-Apr;41(2):251-60