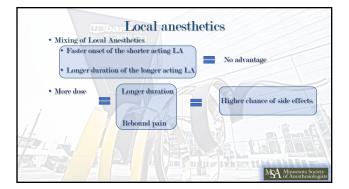
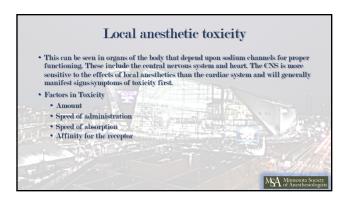




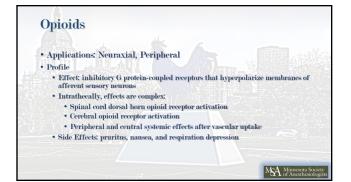


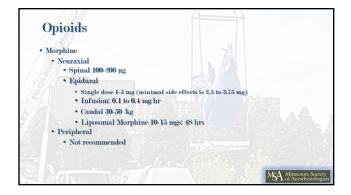
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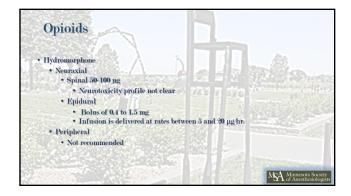




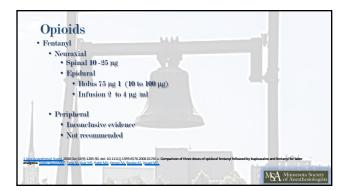


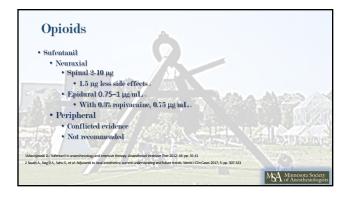


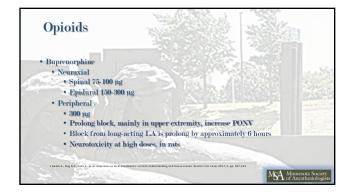




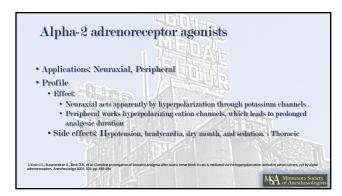




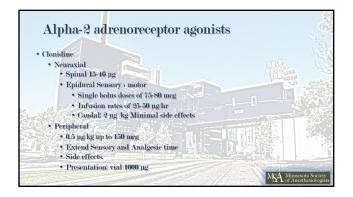
















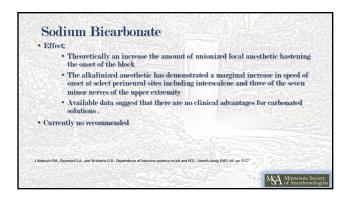
<ul> <li>Nen</li> </ul>	ravial
• •	Spinal 100-600 pg: All Lidocaine, Bupivacaine (Less extend), Tetracaine Spidural: Response based on vasoconstriction properties of LA:
	50% duration increase: Lidocaine, Mepivacaine, and Chloroprocaine
	Moderate increase: Bupivacaine, levobupivacaine, and etidocaine
	Minimal effect: Ropivacaine (Vasoconstrictor)
• Epin	rephrine also serves as a marker of intravenous injection of local anesthetic.
pres	nerease in heart rate of 20 bpm or greater and or an increase in systolic blood aure of 15 mmhg or greater after a dose of 10 to 15 mg of epinephrine should a suspicion of intravascular injection.





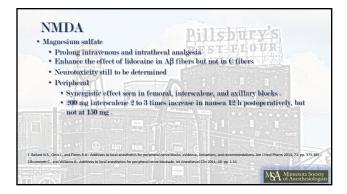
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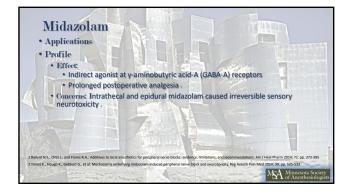


<ul> <li>Applications:</li> </ul>	Neuraxial
<ul> <li>Profile</li> </ul>	IZE A TALE E FRE
<ul> <li>Effect:</li> </ul>	
<ul> <li>Neura</li> </ul>	xial acts by inhibiting nociceptive impulses at the dorsal horn of the
spinal	cord, and blocks the sympathetic outflow;
onset	hecal and epidural ketamine have both been shown to speed up the of motor and sensory blocks, but it also decreased the duration of blockade*
<ul> <li>Side effect</li> </ul>	ts: Hallucinations, drowsiness, and nausea, mainly with peripheral nerve
blocks	
* Swain A., Nag D.S., Sahu S.	, et al: Adjuvants to local an esthetics: current understanding and future trends. World J Clin Cases 2017; S. pp. 307-323



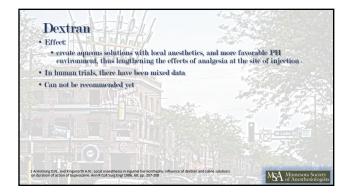


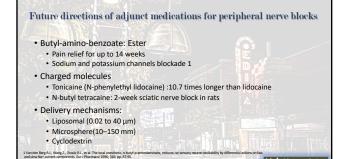




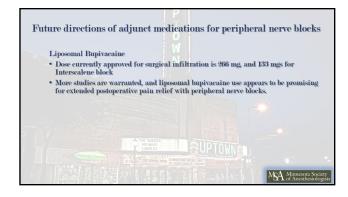








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