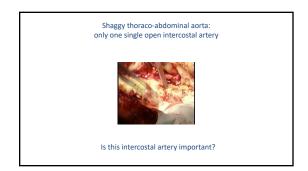
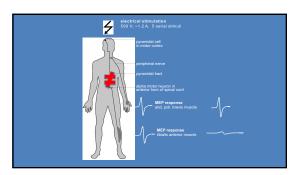


TAAA

- Spinal cord perfusion is totally changed
- Collateral network takes over
- Anatomy has become irrelevant
- It is all about function
- Very high variability
- Unpredictable

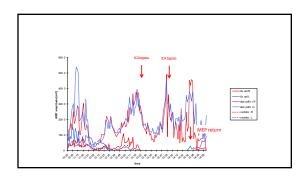
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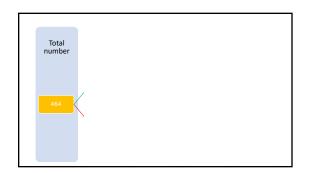
Prerequisites for reliable MEP monitoring Strict protocol regarding voltage and ampere

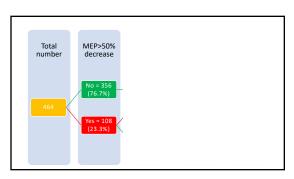
- Adequate MEP equipment
- Strict anesthesia strategy: combination of Ketamine and Propofol; never inhalation anesthesia with Halothane/Isoflorane

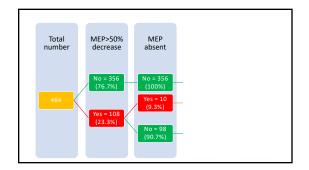


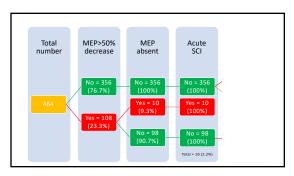
Measures in case of significant MEP decrease

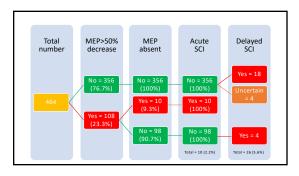
- Increase MAP
- Increase distal aortic pessure
- Manage CSF pressure
- Check anesthesia medication
- Check essential lab panel











Summary

- Monitoring motor evoked potentials (MEPs) provides 100% reliable information on spinal cord function
- MEPs identify spinal cord ischemia and guides surgical interventions to restore function
- Management of segmental artery revascularization based on MEPs reduces spinal cord ischemic events
- Strict anesthesia protocol is mandatory to achieve reliable MEP monitoring

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