

Future Stroke Thrombectomy Devices - Promise of Cyclical Aspiration - YouTube - Google Chrome - VLC me

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Summary

- Aspiration as First-line is growing, probably due to:
 - Ease of Use, Lower Cost, and Growing Evidence
- $Force_{suction} \propto Pressure_{suction} \times Area_{catheter\ lumen}$
 - Plethora of aspiration catheters, might soon reach mechanical limits for varying luminal ID
 - Need to vary suction pressures. However, current aspiration systems only provide uniform suction pressures.
- Cyclical Aspiration (varying suction pressures) is a breakthrough technology that could usher in a new era of stroke thrombectomy.
 - This can potentially allow operators to customize the suction pressures for various clot types, clot length or burden, and clot locations.

SVIN Society of Vascular and Interventional Neurology

Future Stroke Thrombectomy Devices - Promise of Cyclical Aspiration

Doctor Janardhan 49 subscribers

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Dr. Deep R. Yavagal talks about the evolution of stroke thrombectomy devices including aspiration systems and discusses the Science of Cyclical Aspiration in the Future of Interventional Neurology Session @ #SVIN2018 in San Diego.

Transcript

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