



LECTURE

Mechanical thrombectomy: technique and results

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Abstract

Stroke is one of the leading causes of death and morbidity in industrialized countries. Diagnosis and treatment options have largely evolved in the last decades with the aim of rapidly restoring flow in the occluded vessels. The approaches to a mechanical resolution of the occlusion have also evolved. Following the 2013 “unhappy” trials, MR CLEAN has been the first randomized controlled trial to demonstrate the superiority of mechanical thrombectomy plus intrave-

nous thrombolysis over the best medical treatment option. Many other trials have since done the same. Stent-retrievers are considered the preferred option for mechanical thrombectomy, although aspiration techniques are evolving becoming progressively more effective and important in this setting. These trials have also been the basis for the establishment of a consensus for the approach, management and treatment of patients with large vessel occlusions.

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