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ESPS PEER REVIEW REPORT

Name of journal: World Journal of Clinical Cases
ESPS manuscript NO: 11297
Title: Evolution of Endovascular Mechanical Thrombectomy for Acute Ischemic Stroke
Reviewer code: 00718199
Science editor: Ling-Ling Wen
Date sent for review: 2014-05-14 22:04
Date reviewed: 2014-05-19 21:25

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
[ ] Grade A: Excellent	[Y] Grade A: Priority publishing	Google Search:	[ ] Accept
[Y] Grade B: Very good	[ ] Grade B: Minor language polishing	[ ] Existing	[ ] High priority for publication
[ ] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] No records	[ ] Rejection
[ ] Grade D: Fair	[ ] Grade D: Rejected	BPG Search:	[Y] Minor revision
[ ] Grade E: Poor		[ ] Existing	[ ] Major revision
		[ ] No records	

COMMENTS TO AUTHORS

In their manuscript titled “Evolution of endovascular mechanical thrombectomy for acute ischemic stroke”, Przybylowski CJ and colleagues do a review of a current issue in order to identify the challenges in the endovascular mechanical thrombectomy in acute ischemic stroke showing the highlights on the major endovascular devices used in clinical practice and the trials which have investigated their efficacy. This is an interesting review of interest to readers of World Journal of Clinical Cases. The authors have extensive background on the subject of the review, and this reviewer finds only minor concerns for the paper is recommended for its acceptation. Minor Comments: 1.There are important studies in the field that are not cited and discussed in the review and should be included and discussed: Almekhlafi MA, Davalos A, Bonafe A, Chapot R, Gralla J, Pereira VM, Goyal M; on behalf of the STAR Registry Investigators. Impact of Age and Baseline NIHSS Scores on Clinical Outcomes in the Mechanical Thrombectomy Using Solitaire FR in Acute Ischemic Stroke Study. AJNR Am J Neuroradiol. 2014 Feb 20. [Epub ahead of print]. PMID:24557701. Hayakawa M, Yamagami H, Sakai N, Matsumaru Y, Yoshimura S, Toyoda K; JR-NET Study Group. Endovascular treatment of acute stroke with major vessel occlusion before approval of mechanical thrombectomy devices in Japan: Japanese Registry of Neuroendovascular Therapy (JR-NET) and JR-NET 2. Neurol Med Chir (Tokyo). 2014;54(1):23-31. Epub 2013 Nov 29. PMID:24292608. Pereira VM, Gralla J, Davalos A, Bonafé A, Casta?o C, Chapot R, Liebeskind DS, Nogueira RG, Arnold M, Sztajzel R, Liebig T, Goyal M, Besselmann M, Moreno A, Schroth G. Prospective, multicenter, single-arm study

of mechanical thrombectomy using Solitaire Flow Restoration in acute ischemic stroke. Stroke. 2013 Oct;44(10):2802-7. doi: 10.1161/STROKEAHA.113.001232. Epub 2013 Aug 1. Erratum in: Stroke. 2013 Dec;44(12):e239. Moreno, Alfredo [corrected to Moreno, Antonio]. PMID: 23908066. Kharitonova TV, Melo TP, Andersen G, Egido JA, Castillo J, Wahlgren N; SITS investigators. Importance of cerebral artery recanalization in patients with stroke with and without neurological improvement after intravenous thrombolysis. Stroke. 2013 Sep;44(9):2513-8. doi: 10.1161/STROKEAHA.111.000048. Epub 2013 Jul 23. PMID: 23881960. Mokin M, Dumont TM, Veznedaroglu E, Binning MJ, Liebman KM, Fessler RD 2nd, To CY, Turner RD 4th, Turk AS, Chaudry MI, Arthur AS, Fox BD, Hanel RA, Tawk RG, Kan P, Gaughen JR Jr, Lanzino G, Lopes DK, Chen M, Moftakhar R, Billingsley JT, Ringer AJ, Snyder KV, Hopkins LN, Siddiqui AH, Levy EI. Solitaire Flow Restoration thrombectomy for acute ischemic stroke: retrospective multicenter analysis of early postmarket experience after FDA approval. Neurosurgery. 2013 Jul;73(1):19-25; discussion 25-6. doi: 10.1227/01.neu.0000429859.96652.57. PMID: 23719060. 2.Authors should give greater emphasis to the intra-arterial thrombolysis in all sections of the review as a current therapeutic option in acute ischemic stroke.

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[ ] Grade E: Poor	[ ] Grade D: Rejected	[ ] Existing	[ ] Minor revision
		[ ] No records	[ ] Major revision

COMMENTS TO AUTHORS

To take in consideration: FLeishangthem L, Satti SR. Vessel perforation during withdrawal of Trevo ProVue stent retriever during mechanicalthrombectomy for acute ischemic stroke. J Neurosurg. 2014 Jun 13:1-4. [Epub ahead of print] Spiotta AM, Vargas J, Hawk H, Turner R, Chaudry MI, Battenhouse H, Turk AS. Impact of the ASPECT scores and distribution on outcome among patients undergoing thrombectomy for acute ischemic stroke.Neurointerv Surg. 2014 Jun 10. pii: neurintsurg-2014-011195. doi: 10.1136/neurintsurg-2014-011195. [Epub ahead of print]