

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 68453

Title: Cerebral venous sinus thrombosis in pregnancy: A case report

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05900983

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: India

Author's Country/Territory: China

Manuscript submission date: 2021-07-01

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-07-03 08:17

Reviewer performed review: 2021-07-03 08:48

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Well written article with good documentation. Excellent documentation.

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Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05850740

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Thailand

Author's Country/Territory: China

Manuscript submission date: 2021-07-01

Reviewer chosen by: Ze-Mao Gong

Reviewer accepted review: 2021-07-22 13:35

Reviewer performed review: 2021-07-23 05:17

Review time: 15 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Manuscript ID 68453 This is an interesting case of CVT in pregnant woman successfully treated with mechanical thrombectomy. The paper contains sufficient educational and practical value for publication. There are however some issues that should be addressed. 1. Abstract -the conclusion should include thrombectomy since this is a prominent feature of this case. 2. Please include an ethics statement, especially regarding patient informed consent for publication. 3. Conclusion of the discussion should be revised for better clarity regarding the role of thrombectomy. The text should emphasize that thrombectomy may be an effective alternative therapy for people who did not respond to standard management. 4. Table 1- Please include in-text citations and footnote explaining all abbreviations used in the table. Also, what is the "mRS"?

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Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05351456

Position: Peer Reviewer

Academic degree: FACP, MBBS

Professional title: Assistant Professor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2021-07-01

Reviewer chosen by: Ze-Mao Gong

Reviewer accepted review: 2021-07-23 13:52

Reviewer performed review: 2021-07-23 15:53

Review time: 2 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input checked="" type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Authors describe a case of mechanical thrombectomy in patient with CVT during pregnancy. Major comments: Many small spelling errors pointing to the fact that authors have not paid attention to details. Examples “did’t”, “ultidisciplinary” “regimens” I would strongly recommend using English editing services for the benefit of the journal readers. Case presentation is not in line with the scientific writing, it appears to be a history and physical from a medical record. HPI, h/o past illness, personal and family history All these headings are good for a detailed history from a medical student but probably not in a scientific journal paper. What is the characteristic of headache, other neurological symptoms, fundoscopic examination, other stigmata of venous thromboembolic events, use of oral contraceptives etc... all this would be very relevant information that needs to be included. Neuro examination lacks detail Testing for hypercoagulable state in the state of acute thrombosis will give false results and should not be performed. Just mentioning “hypercoagulation tests” is not enough, authors should provide more information about the specific tests. “A ultrasound sonography was performed” ultrasound and sonography means the same thing “Pregnancy is an important cause of cerebral venous thrombosis (CVT).” Its not a “cause” pregnancy is a risk factor. Authors also need to provide details about use of oral contraceptive pills or any other sources of estrogen/progesterone. Discussion needs to be further delineated in terms of evidence and safety for mechanical thrombectomy in pregnant patients specifically for the treatment of cerebral venous thrombosis.

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Peer-review model: Single blind

Reviewer's code: 05427157

Position: Peer Reviewer

Academic degree: MD

Professional title: Director, Staff Physician

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2021-07-01

Reviewer chosen by: Ze-Mao Gong

Reviewer accepted review: 2021-07-27 20:31

Reviewer performed review: 2021-07-29 21:32

Review time: 2 Days and 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
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Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Though the case is interesting and well written by authors, mechanical thrombectomy for cerebral venous thrombosis refractory to anticoagulation is well reported and performed in large referral hospitals including my hospital. Its also well reported in literature over many years (Borhani Haghighi A, Mahmoodi M, Edgell RC, Cruz-Flores S, Ghanaati H, Jamshidi M, Zaidat OO. Mechanical thrombectomy for cerebral venous sinus thrombosis: a comprehensive literature review. Clin Appl Thromb Hemost. 2014 Jul;20(5):507-15. doi: 10.1177/1076029612470968. Epub 2013 Jan 7. PMID: 23297370 and Ilyas A, Chen CJ, Raper DM, Ding D, Buell T, Mastorakos P, Liu KC. Endovascular mechanical thrombectomy for cerebral venous sinus thrombosis: a systematic review. J Neurointerv Surg. 2017 Nov;9(11):1086-1092. doi: 10.1136/neurintsurg-2016-012938. Epub 2017 Feb 17. PMID: 28213478) Pregnancy is a known hypercoagulable condition and cerebral thrombosis in pregnancy is not unheard of. Authors also mention about mechanical thrombectomy remains controversial in pregnancy multiple times but does not provide strong evidence/citations of controversy arguing in favor or against it. Overall this case highlights presentation and important pathway of treatment of cerebral venous thrombosis in pregnant patient I believe it does not add significantly to awareness apart from small hospitals should consider referring patients in this situation to referral hospital if cerebral venous thrombosis is refractory to anticoagulation. The case though is very strong for conference paper level, does not have strong merits of publication in a good journal. If authors revise the articles with title like "cerebral venous sinus thrombosis in pregnancy: case report and review of current evidence in management" with clarity on how the previously reported cases treated, what are risk and benefit of mechanical thrombectomy, long term outcomes etc. it will likely make is



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much more interesting and helpful to practicing clinicians and worthy of publication.