

STANDARD TREATMENT WORKFLOW (STW)

IMAGE GUIDED MANAGEMENT OF STROKE

Sanjiv Sharma¹, Amar Mukund², Pushpinder Singh Khera³, Rengarajan Rajagopal⁴, Pankaj Banode⁵, N Shyam Kumar⁶, Sanjeev Kumar⁷, Manish Shaw⁸, Pradeep Hatimota⁹, Niraj Pandey¹⁰

¹All India Institute of Medical Sciences Delhi; ²Institute of Liver and Biliary Sciences, New Delhi; ³All India Institute of Medical Sciences Jodhpur; ⁴All India Institute of Medical Sciences Jodhpur; ⁵Jawaharlal Nehru Medical College Wardha, Maharashtra; ⁶Christian Medical College Vellore Tamil Nadu; ⁷All India Institute of Medical Sciences Delhi; ⁸NIMS University, Jaipur, Rajasthan; ⁹Apollo Hospital, Guwahati, Assam; ¹⁰All India Institute of Medical Sciences Delhi

CORRESPONDING AUTHOR

Sanjiv Sharma, All India Institute of Medical Sciences Delhi

Email: meetisv@yahoo.com

CITATION

Sharma S, Mukund A, Khera PS, Rajagopal R, Banode P, Kumar NS, Kumar S, Shaw M, Hatimota P, Pandey N. IMAGE GUIDED MANAGEMENT OF STROKE . Journal of the Epidemiology Foundation of India. 2024;2(2Suppl):S273-S274.

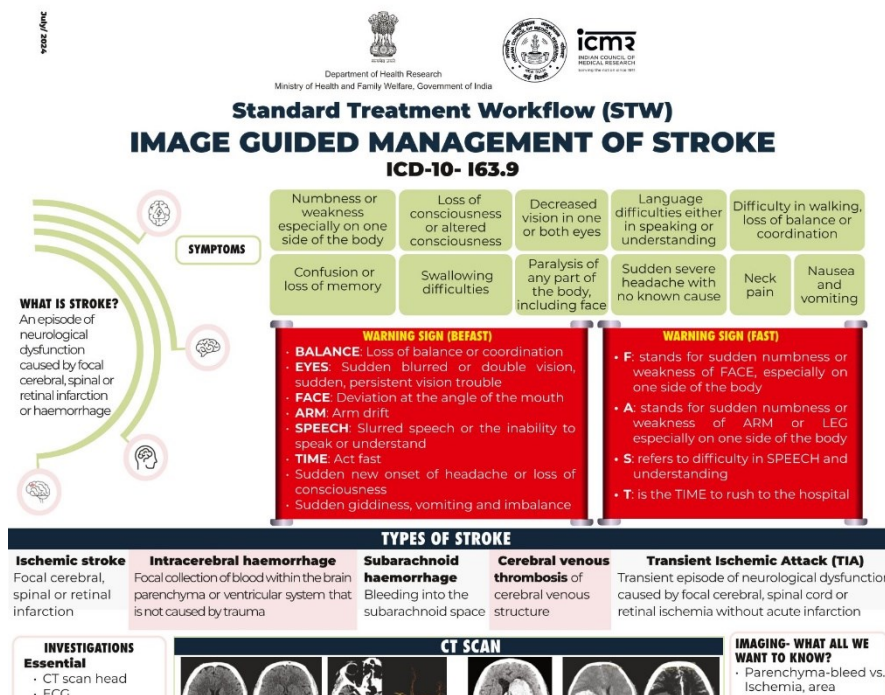
DOI: <https://doi.org/10.56450/JEFI.2024.v2i2Suppl.010>

This work is licensed under a Creative Commons Attribution 4.0 International License.

©The Author(s). 2024 Open Access

DISCLAIMER

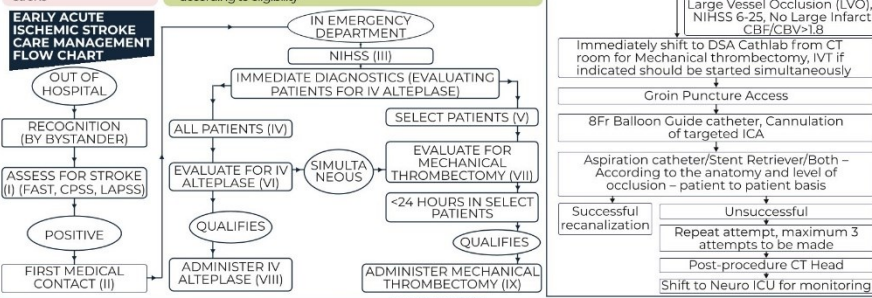
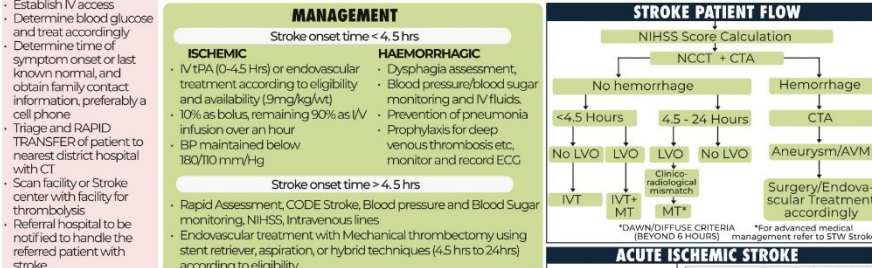
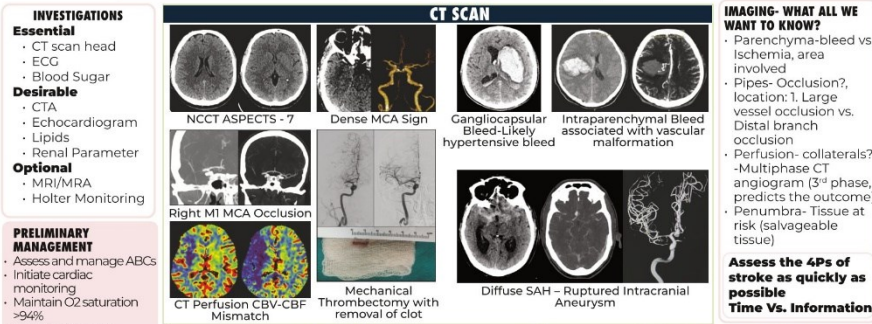
This article/STW, was originally published by Indian Council of Medical Research (ICMR) under Standard Treatment Workflow. The reprinting of this article in Journal of the Epidemiology Foundation of India (JEFI) is done with the permission of ICMR. The content of this article is presented as it was published, with no modifications or alterations. The views and opinions expressed in the article are those of the authors and do not necessarily reflect the official policy or position of JEFI or its editorial board. This initiative of JEFI to reprint STW is to disseminate these workflows among Health Care Professionals for wider adoption and guiding path for Patient Care.



year / June



Standard Treatment Workflow (STW) IMAGE GUIDED MANAGEMENT OF STROKE ICD-10- I63.9



ABBREVIATIONS

AVM: Arterio-Venous Malformation	ECG: Electrocardiogram	MRA: MR Angiography
CBF: Cerebral Blood Flow	ICA: Internal Carotid Artery	MRI: Magnetic Resonance Imaging
CBV: Cerebral Blood Volume	ICU: Intensive Care Unit	MT: Mechanical Thrombectomy
CPSS: Cincinnati Prehospital Stroke Scale	IVT: Intravenous Thrombolysis	NCCT: Non-Contrast Computerized Tomography
CTA: CT Angiography	LAPSS: Los Angeles Prehospital Stroke Screen	NIHSS: National Institute Of Health Stroke Scale
DSA: Digital Subtraction Angiography	MCA: Middle Cerebral Artery	

REFERENCES

1. Powers WJ, Rabinstein AA, Ackerson T, Adeoye OM, Bambakidis NC, Becker K, Biller J, Brown M, Demaerschalk BM, Hoh B, Jauch EC, Kidwell CS, Leslie-Mazwi TM, Ovbiagele B, Scott PA, Sheth KN, Southerland AM, Summers DV, Tirschwell DJ. American Heart Association Stroke Council. 2018 Guidelines for the Early Management of Patients With Acute Ischemic Stroke: A Guideline for Healthcare Professionals From the American Heart Association/American Stroke Association. Stroke. 2018 Mar;49(3):e46-e110. doi: 10.1161/STR.0000000000000158. Epub 2018 Jan 24. Erratum in: Stroke. 2018 Mar;49(3):e138. Erratum in: Stroke. 2018 Apr 18; PMID: 29367334.
2. Wang TY, Nallamothu BK, Krumholz HM, Li S, Roe MT, Jollis JG, Jacobs AK, Holmes DR, Peterson ED, Ting HH. Association of door-in to door-out time with reperfusion delays and outcomes among patients transferred for primary percutaneous coronary intervention. JAMA. 2011 Jun 22;305(24):2540-7. doi: 10.1001/jama.2011.862. PMID: 21693742.
3. Jayaraman MV, Iqbal A, Silver B, et al. Developing a statewide protocol to ensure patients with suspected emergent large vessel occlusion are directly triaged in the field to a comprehensive stroke center: how we did it. Journal of Neurointerventional Surgery. 2017 Mar;9(3):330-332. DOI: 10.1136/neurintsurg-2016-012275. PMID: 26940315.
4. Kasner SE, Sacco RL. Implications of the AHA/ASA Updated Definition of Stroke for the 21st Century. World Neurology. November, 2013.
5. Maas WJ, Lahr MMH, Buskens E, van der Zee DJ, Uytendboogaart M; CONTRAST Investigators. Pathway Design for Acute Stroke Care in the Era of Endovascular Thrombectomy: A Critical Overview of Optimization Efforts. Stroke. 2020 Nov;51(11):3462-3469. doi: 10.1161/STROKEAHA.120.030392. Epub 2020 Oct 19. PMID: 33076773.

TIME IS BRAIN, SAVE NEURONS SAVE A LIFE

This STW was prepared by national experts of India with feasibility considerations for various levels of healthcare system in the country. These broad guidelines are advisory, and are based on expert opinions and available scientific evidence. There may be variations in the management of an individual patient based on his/her specific condition, as decided by the treating physician. There will be no indemnity for direct or indirect consequences. Kindly visit the website of ICMR for more information: icmr.gov.in for more information. ©Indian Council of Medical Research, Ministry of Health & Family Welfare, Government of India.