

4. Task Force of the American Association of Neurological Surgeons and Joint Section in Neurotrauma and Critical Care. Guidelines for the management of severe head injury. Brain Trauma Foundation; 1995.
5. Smith HP, Kelly DL Jr, McWhorter JM, Armstrong D, Johnson R, Transou C, Howard G. Comparison of mannitol regimens in patients with severe head injury undergoing intracranial monitoring. *J Neurosurg* 1986;65:820-4.
6. Schwartz ML, Tator CH, Rowed DW, Reid SR, Meguro K, Andrews DF. The University of Toronto head injury treatment study: a prospective, randomized comparison of pentobarbital and mannitol. *Can J Neurol Sci* 1984;11:434-40.
7. Sayre MR, Daily SW, Stern SA, Storer DL, van Loveren HR, Hurst JM. Out of hospital administration of mannitol does not change systolic blood pressure. *Acad Emerg Med* 1996;3:840-8.
8. Roberts I, Schierhout G. Absence of evidence of five interventions routinely used in the intensive care management of severe head injury: a systemic review. *J Neurol Neurosurg Psych* 1998;65:729-33.

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### Systematic Reviews

Systematic (structured) reviews are preferable to the narrative reviews generally published in medical journals. Systematic reviews define a clear and clinically relevant research question, retrieve previously published reviews, document their limitations, and justify the need for a more comprehensive review. They then define the search strategy used to identify primary articles and the criteria used to select the most valid of these for review. Authors of well done systematic reviews look for unpublished, as well as published studies. A systematic review specifies the method of combining data from different studies, discusses variation within and between studies, and presents specific conclusions, contrasting these with existing literature and standards of care. Authors of systematic reviews should identify the limitations of the review and suggest areas for future research. *CJEM's* guidelines for systematic review articles are presented on page 141 of this issue. *Evidence-Based Medicine*, *ACP Journal Club*, and *The Cochrane Library* are excellent sources of systematic reviews on a broad range of topics, many relevant to emergency medicine.

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