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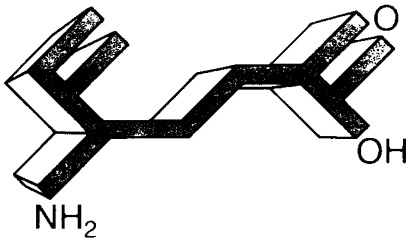

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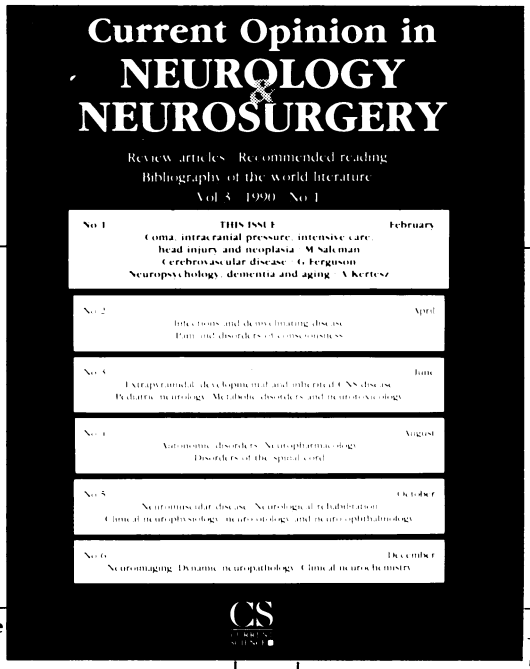

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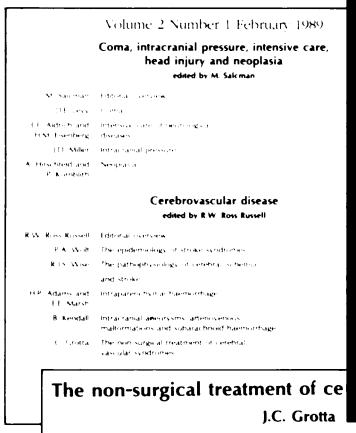
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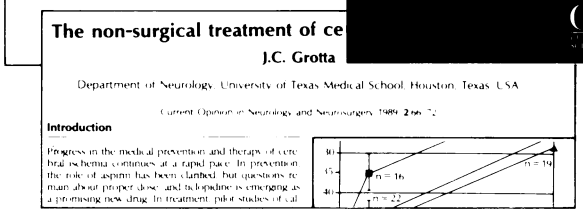
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J.C. Grotta

Department of Neurology, University of Texas Medical School, Houston, Texas, USA

Current Opinion in Neurology and Neurosurgery, 1989, 2:66–72

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Progress in the medical prevention and therapy of cerebral ischemia continues at a rapid pace. In prevention the role of aspirin has been clarified, but questions remain about proper dose, and ticlopidine is emerging as a promising new drug. In treatment, pilot studies of cal

Annotated references and recommended reading

Retrospective study of the influence of blood glucose levels on the risk of neurologic complications in 54 infants undergoing intracardiac surgery. Demonstration of a trend suggesting a deleterious effect of dextrose infusions during pediatric cardiac surgery.

17 VON REUTERN GM, HEITZER A, BIRSHAM D, SCHLOSSER V.
• **Transcranial Doppler ultrasonography during cardiopulmonary bypass in patients with severe carotid stenosis or occlusion.** *Stroke* 1988; 19:674–680.

Monitoring of middle cerebral artery blood flow velocity by transcranial Doppler during CPB in patients with (16) and without (42) severe carotid stenosis or occlusion. Demonstrates no reduced perfusion and argues once more against the policy of systematic carotid endarterectomy prior to cardiac surgery in this situation.

18 MORRIS JM, FARRAR JK, THOMPSON WA, MCKENZIE FN, GUTHRIE G.
•• **Cerebral autoregulation and flow metabolism coupling during cardiopulmonary bypass: the influence of $PaCO_2$.** *Anesth Analg* 1987; 66:825–832.

Study of cerebral blood flow and oxygen consumption in 36 patients undergoing CPB with emphasis on the effect of maintaining a temperature corrected or non corrected $PaCO_2$ of 40 mmHg on these parameters. First oxygen metabolism study in this situation. Demonstration of a 7% reduction in $CMRO_2$ and of better preserved flow metabolism

Current world literature

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