

Society of Neurosurgical Anesthesia and Critical Care Newsletter

1995 ANNUAL MEETING

The Society of Neurosurgical Anesthesia and Critical Care will hold its 23rd Annual Meeting on October 20, 1995, in Atlanta, Georgia, at the Hilton Towers. As always, the meeting is dedicated to advances in the art and science of neuroanesthesia and critical care, and the society is pleased to announce that an exciting and educational program has been planned. In addition to the usual format of oral scientific presentation and the well-received poster-discussion session introduced last year, we will introduce a walk-around poster-discussion group to increase audience and presenter participation.

The featured theme for this meeting is new advances in functional brain imaging, and the society is pleased to announce that Dr. Rune Aaslid, Research Professor from the Department of Neurological Surgery, University of Washington, will speak on "Transcranial Doppler for Monitoring of Intracranial Pressure and Cerebrovascular Tone." Dr. Aaslid is an innovative scientist who invented the transcranial Doppler and who continues to be at the forefront of this noninvasive technology. His presentation will be sponsored by DWL Elektronische of Sipplingen, Germany.

This lecture will be followed by Dr. Lawrence Litt of the University of California, San Francisco, on "Physiologic Magnetic Resonance Imaging: Functional Imaging of the Brain." Dr. Litt has an established track record on research in MRI and imaging and will summarize the state-of-the-art on this exciting development.

One of the common problems the neuroanesthesiologist encounters after successful neurovascular procedures is the development of the so-called Hyperperfusion Syndromes. Dr. William Lanier of the Mayo Clinic will bring us up to date on the management of this problem following carotid endarterectomy while Dr. William Young of Columbia Univer-

sity will discuss the similar issue after arteriovenous malformation resection.

To help our members navigate the information superhighway (or surf the Internet), Dr. Keith Ruskin of New York University and Dr. Ira Rampil of the University of California, San Francisco, will enlighten us on recent developments in cyberspace including the Internet, Gopher, the World Wide Web, etc. Dr. Ruskin is the administrator of GASnet and the Anesthesiology Discussion List based at NYU, while Dr. Rampil is the administrator for the Neuroanesthesiology Discussion List based at UCSF. These sessions promise to be informative for both the computer literate and the novice.

The debate format introduced last year was well received by our members and this year we will continue this format with a debate on the role of new inhalation agents desflurane and sevoflurane in the practice of neuroanesthesia. Dr. Kristy Baker of Columbia University will speak on the pro-aspects, and Dr. Rene Tempelhoff of Washington University will speak on the con-side.

The annual presentation of the Young Investigator's Award rounds out the program for 1995. This annual award is an integral part of our meeting and is part of our mission to foster investigations in neuroanesthesia. All new investigators are encouraged to submit a manuscript of their completed work for consideration of this award.

In conjunction with the Annual Meeting, the Society is sponsoring a dinner symposium on October 19 (Thursday). The tentative topic is "Subarachnoid Hemorrhage-Innovations in Blood Pressure Management." The dinner symposium is made possible with an educational grant from Wyeth-Ayerst Laboratories and will be chaired by Dr. Marc Bloom of University of Pittsburgh. There will be no admission charges for members of SNACC and all are urged to attend.

To continue the high quality of the meeting and

the ongoing success of the Society, your support is needed. Please plan to attend the meeting and support your society. Appropriate CME credits will be awarded from the Mayo Foundation.

SNACC BIBLIOGRAPHY

As the SNACC bibliography is published bi-annually, there will not be a 1995 edition. The 1994 edition is available from the National Office. The next edition of this popular document is planned for 1996.

REPORT FROM THE INTERNATIONAL SYMPOSIUM ON NEUROINTENSIVE CARE AND NEUROANESTHESIA

Several members of SNACC attended the International Symposium on Neurointensive Care and Neuroanesthesia and Dr. Alan Artru filed the following brief report.

The Symposium was organized by the Department of Neuroanesthesiology at the All India Institute of Medical Sciences (AIIMS) in New Delhi, India. The Symposium was held at the Neurosciences Centre of AIIMS on February 18–19, 1995, with H. H. Dash, MD, Professor and Head of Neuroanesthesiology serving as Organizing Secretary. On the first day the morning sessions dealt with new concepts in neurointensive care and neuroanesthesia. Alan A. Artru, MD, University of Washington, Seattle, Washington, USA, reviewed the physiology of cerebrospinal fluid (CSF) formation and absorption, the contribution of CSF dynamics to intracranial pressure (ICP), and the effects of anesthetics on CSF formation and absorption. Nitin K. Shah, MD, University of California, Irvine, California, USA, discussed new drugs in neuroanesthesia including intravenous anesthetics, opioids, muscle relaxants, vasoactive drugs, and neuroprotective agents. Kunnathu P. Geevarghese, MB, BS, FRCPC, University of Louisville, Louisville, Kentucky, USA, discussed new monitors in neuroanesthesia including transesophageal echocardiography, transcranial Doppler ultrasonography, continuous intraarterial blood gas determination, jugular venous catheter for determination of arterial-jugular venous oxygen content difference, and near-infrared spectroscopy. Pirjo Manninen, MD, FRCPC, University of Toronto, Toronto, Canada, focused on selection criteria for electroencephalo-

graphic (EEG) and evoked potential (EP) monitoring, and anesthetic and other effects on EEG and EP monitoring in the operating room and intensive care unit. Alan A. Artru, MD, reviewed the effects of sevoflurane and desflurane on the EEG, cerebral blood flow and metabolism, and ICP.

The afternoon sessions dealt with central nervous system (CNS) injury and neurointensive care. Nitin K. Shah, MD, discussed strategies for providing sedation, analgesia (opioid, nonopioid, and regional), amnesia and paralysis in the neurointensive care unit. P. A. Farling, MD, FRCA, Royal Victoria Hospital, Belfast, Northern Ireland, United Kingdom, focused on the use of propofol in neuroanesthesia and neurointensive care: pharmacology, intraoperative use, sedation during neurointensive care, and cerebral protection. David S. Smith, MD, PhD, University of Pennsylvania, Philadelphia, Pennsylvania, USA, discussed fluid and electrolyte balance in neuroanesthesia and the intensive care unit fluids and brain volume, glucose and brain damage, fluid resuscitation, and head injury. N. Saxena, MD, Neurosciences Centre of AIIMS, New Delhi, India, discussed the pathophysiology of spinal cord injury and issues of patient care management. Arthur M. Lam, MD, FRCPC, University of Washington, Seattle, Washington, USA, discussed the pathophysiology of brain injury and issues of anesthetic management including monitoring ICP, jugular venous oxygen saturation, and cerebral blood flow velocity with transcranial Doppler, as well as the use of mild hypothermia for cerebral protection.

On the second day the morning sessions dealt with the cerebral circulation and anesthesia for specific surgical procedures. Dr. Alan A. Artru reviewed the anatomy of the cerebral circulation and the role of blood viscosity, the endothelium, smooth muscle, vasoactive nerves and chemical-metabolic factors in regulating the circulation. Dr. David S. Smith discussed the use of inhalational and intravenous anesthetics, opioids, and muscle relaxant when patients with increased ICP require anesthesia and surgery. Dr. Kunnathu P. Geevarghese discussed preoperative assessment, sedation, field block, blood pressure control, corticography and functional brain mapping in patients having craniotomy under local anesthesia. Adrian W. Gelb, MB, ChB, FRCPC, University of Western Ontario, London, Ontario, Canada, reviewed anes-

thetic management for intracranial aneurysm surgery including myocardial dysfunction following subarachnoid hemorrhage, cerebral vasospasm, controlled hypotension or temporary arterial occlusion at the time of aneurysm clipping and intraoperative aneurysm rupture. Dr. Pirjo H. Manninen discussed anesthetic management of patients with posterior fossa aneurysm including positioning, spontaneous ventilation, sensory EP monitoring, and postoperative complications.

The afternoon sessions dealt with anesthesia for procedures outside the operating room and for other specific procedures. Dr. Pirjo H. Manninen discussed anesthesia for interventional radiology including hazards of the environment, conscious sedation, general anesthesia, and complications. Dr. P. A. Farling discussed anesthesia for magnetic resonance imaging (MRI) including the physics of MRI and safety considerations. Dr. Arthur M. Lam discussed anesthesia for posterior fossa surgery including anatomy, sitting position, air embolism, monitoring, and positive end-expiratory pressure. Walter R. Thompson, MD, Sir Charles Gairdner Hospital, Nedlands, Australia, discussed anesthesia for carotid endarterectomy including brain monitoring, shunt, cerebral protection, blood pressure control, and myocardial infarction. Dr. Adrian W. Gelb reviewed the results of outcome studies on carotid endarterectomy (Joint Study, NASCET, ECST, VA, CASANOVA, MACE, and ACAS) documenting the utility of surgery for patients with transient ischemic attacks and >70% stenosis.

BREAKFAST PANEL DURING 1995 ASA ANNUAL MEETING

Dr. Patricia Petrozza has planned an exciting program for the SNACC breakfast panel to be held on October 23, 1995. The theme is state of the art on neuromonitoring and the program includes (1) Monitoring of jugular bulb venous oxygen saturation (Dr. Teresa Mayberg of University of Washington, Seattle, Washington) (2) Transcranial Doppler monitoring (Dr. Andrew Kofke of University of Pittsburgh, Pittsburgh, Pennsylvania) and (3) Advances in evoked potential monitoring (Dr. Cor Kalkman of University of Amsterdam, Netherlands). Members of SNACC are urged to attend.

CHANGES IN SNACC ADDRESS

SNACC is now managed by Ruggles Service Corporation of Richmond, Virginia. All correspondence including renewal of membership should be sent to the new office of SNACC as follows: SNACC 1910 Byrd Ave., Suite 10, P.O. Box 11086, Richmond, Virginia 23230-1086. Telephone: (804) 673-9037, Fax: (804) 282-0090.

MEMBERSHIP INFORMATION

SNACC is dedicated to improving the perioperative care of the neurosurgical patient and to providing a forum for exchange of ideas and presentation of research in both the clinical and basic science areas. The society is the official sponsor of *Journal of Neurosurgical Anesthesiology* published by Raven Press. Although SNACC is a component society of American Society of Anesthesiologists, the Society actively encourages international liaison and participation. Full members can participate in all facets of the Society including running for office and do not need to be active members of ASA. In order to make information and the Society more readily available to all interested, SNACC has both a Resident Membership and Emeritus Membership. To qualify for emeritus status, one must be a member of SNACC in good standing and must be retired from active practice. Both of these membership categories are \$100.00 per year which include a discounted subscription for *Journal of Neurosurgical Anesthesiology*, or \$25.00 without the Journal. All membership categories entitle the member to (a) access to the SNACC network of over 500 professionals specializing in neurological anesthesia, (b) receipt of the Selected References in Neurological Anesthesia and Critical Care compiled by today's experts in the field, and (c) reduced subscription price to the *Journal of Neurosurgical Anesthesiology*, and discounted annual meeting registration fees. For information concerning membership, contact the SNACC Headquarters Office at 1910 Byrd Ave., Suite 10, P.O. Box 11086, Richmond, Virginia 23230-1086. Telephone: (804) 673-9037, Fax: (804) 282-0090.