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PRELIMINARY PROGRAM
1955 ANNUAL MEETING

AMERICAN SOCIETY OF ANESTHESIOLOGISTS, INC.
STATLER HOTEL, BOSTON, MASSACHUSETTS

October 31 to November 2, 1955

MONDAY, OCTOBER 31, 1955

MORNING:

PANEL SYMPOSIA:

The Endocrine Factors in Response to Anesthesia and Surgery:

Basic Concepts—Arnold Relman, M.D.

Effects of Anesthesia—Leroy Vandam, M.D.

Stress of Surgery—D. H. Nelson, M.D.

GENERAL SCIENTIFIC SESSION:

Further Investigations of Electronarcosis as General Anesthesia in Animals and Man—Robert C. Knutson, M.D., Fae Y. Tichy, M.D., Werner P. Koelliker, M.D., and John H. Reitman, M.D.

Studies on the Work of Breathing in Relation to Anesthetic Procedures—Nancy Wu, M.D., William F. Miller, M.D., and Nellie R. Luhn, M.D.

Delineation of Protective Mechanisms in Hemorrhagic Shock—Solomon G. Hershey, M.D., B. W. Zweifach, Ph.D., and W. Antopol, M.D.

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AFTERNOON: GENERAL SCIENTIFIC SESSION:

Effects of Atropine, Scopolamine and Meperidine Upon Man: A Method of Evaluating Hypnotic Drugs—Louis R. Orkin, M.D., Philip S. Bergman, M.D. and Norton Nathanson, M.D.

A Clinical Evaluation of Epidural Anesthesia in General Surgery—2000 Cases—Peere C. Lund, M.D., John Charles Cwik, M.D., and R. Magaziner, M.D.

Development and Testing of a New Respirator—Frederick H. Van Bergen, M.D., Joseph J. Buckley, M.D., Earl Arthur Schultz, M.D., and James H. Matthews, M.D.

A Study of the Mechanics of the Respiration Using the Pneumotachogram—Eva M. Kavan, M.D., and Francis J. Haddy, M.D.

The Use of a Steroid Anesthetic Agent—Frank J. Murphy, M.D., and Neri P. Gaudagni, M.D.

A Servosystem Using Succinylcholine for the Automatic Control of Degree of Neuromuscular Blockade—Edward Brazell, M.D., and John Abajian, M.D.

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4. Rovenstine, E. A., and Cullen, S. C.: Anesthetic Management of Patients with Hyperactive Carotid Sinus Reflex, *Surgery* 6: 167 (Aug.) 1939.
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TUESDAY, NOVEMBER 1, 1955

MORNING: GENERAL SCIENTIFIC SESSION:

The Compliance in the Lungs and Thorax in Dogs under the Influence of Muscle Relaxants—Peter Safar, M.D., and Leonard Bachman, M.D.

The Effects of Common Respiratory Phenomena Occurring During General Anesthesia upon Arterial Blood Pressure and Pulse—Richard E. Jones, M.D., Martin Helrich, M.D., and James E. Eckenhoff, M.D.

Some Respiratory Effects of Thiopental in Man—Martin Helrich, M.D., James E. Eckenhoff, M.D., and Richard E. Jones, M.D.

The Influence of Some Anesthetic Agents on the Tolerance of the Hypothermic Dog's Heart to Ventricular Fibrillation—Timothy G. Barila, Captain, MC, Phillip A. Riley, Captain, MC, and Carl W. Hughes, Lt. Col., MC.

The Effect of Lowered Body Temperature on the Cerebral Hemodynamic and Metabolism of Man—Hrant H. Stone, M.D., Thomas N. MacKrell, M.D., Mary Rose Truter, M.D., Celeste Donnelly, M.D., and Alfred S. Frobese, M.D.

The Effects of Narcotics and Temperature on the Metabolic Activity of the Isolated Perfused Liver—Richard A. Rink, Major, MC, Harvey C. Slocum, Colonel, MC, Irving Gray, Lt. Colonel, MSC, and Roland R. Reuchert, B.S.

AFTERNOON: GENERAL SCIENTIFIC SESSION:

A Convenient Method of Evaluating Pulmonary Ventilatory Function with Single Breath Test—William F. Miller, M.D., Nancy Wu, M.D., and Robert L. Johnson, Jr., M.D.

"Nitrogen Washout" from Semi-closed Systems, Its Effect upon Induction and Maintenance of Anesthesia and upon Various Forms of Inhalation Therapy—George Miles, M.D., Nicholas P. Martin, M.D., and John Adrian, M.D.

Comparison of the Enzymatic Hydrolysis and the Respiratory Effects of Suzamethonium Cl₂ and Suzethonium Br₂—Francis F. Foldes, M.D., Mark Swerdlow, M.S., M.D., F.F.A.R.C.S., Elia Lipschitz, M.D., Gertrude Van Hees, Ph.D., and Sydney P. Shanor, B.S.

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The specific gravity method for evaluation of the suction bottle component of blood loss, as outlined above, gains particular significance in neurosurgical procedures where suction and irrigants are used, and where blood loss is great (1, 3). The method has proved extremely accurate on analysis of known samples and currently is employed by the neurosurgical service of the Los Angeles County Hospital.

CONCLUSION

1. A convenient, accurate method for evaluating suction-bottle blood loss at surgery has been described.
2. The method is particularly applicable to neurosurgical procedures where blood loss is great and saline irrigation is commonly used.

REFERENCES

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3. White, J. C., Whitelaw, G. P., Sweet, W. H., and Hurwitz, E. S.: Blood Loss During Neurosurgical Operations, *Ann. Surg.* **107**: 287 (Feb.) 1938.

¶ White, using gravimetric techniques, studied blood loss in 37 neurosurgical operations. The average blood loss for extensive intracranial procedures was 1,200 cc. Craniotomies averaged 800 cc., laminectomies about 600 cc. This was corroborated by Bonica in his review of 40 cases.

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WEDNESDAY, NOVEMBER 2, 1955

MORNING: HISTORICAL SESSION:

The Jubilee Year of Organized Anesthesia—Albert M. Betcher, M.D., Benjamin J. Ciliberti, M.D., Paul M. Wood, M.D., and Lewis H. Wright, M.D.
The Origins of Spinal Analgesia and Anesthesia—F. A. D. Alexander, M.D.

AFTERNOON: PANEL SYMPOSIA:

What are the Causes of Death Relative to Anesthesia and Surgery?—Emmanuel M. Papper, M.D., Henry K. Beecher, M.D., Meyer Saklad, M.D., Charles Burstein, M.D., Robert D. Dripps, M.D., and George Humphreys III, M.D.

What Influence Does the Anesthetic Agent Have Upon the Mortality Rate?—Speakers as in Panel Symposia above.