

ARCHIVES

OF

OTOLARYNGOLOGY— HEAD & NECK SURGERY

VOL 120 NO. 3, MAR 1994

Original Articles

**Immunohistochemical Detection of
c-myc Protein in Head and Neck Tumors**

255

Markus Gapany, MD;
Zlatko P. Pavelic, MD, PhD;
Daniel J. Kelley, MD; Ljiljana Pavelic;
Sabina R. Gapany; James M. Craven, MD;
Peter J. Stambrook, PhD;
Jack L. Gluckman, MD

Floor of the Mouth Cancer

260

David A. Cole, MD; Pushpa M. Patel, MD;
Jacqueline R. Matar, MD;
Daniel E. Kenady, MD;
Yosh Maruyama, MD

**Early Glottic Carcinoma Treated
With Open Laryngeal Procedures**

264

Jon V. Thomas, MD; Kerry D. Olsen, MD;
H. Bryan Neel III, MD, PhD;
Lawrence W. DeSanto, MD;
Vera J. Suman, PhD

**The Role of Surgery Following
Radiotherapy Failure for Advanced
Laryngopharyngeal Cancer:
A Prospective Study**

269

Jean Davidson, MD, FRCSC;
David Briant, MD, FRCSC;
Patrick Gullane, MB, FRCSC;
Tom Keane, MB, FRCPC; Ellen Rawlinson, RTT

**Laryngeal Carcinoma in a 12-Year-Old
Child: Association With Human
Papillomavirus 18 and 33**

277

Martin Simon, MD; Tomas Kahn, PhD;
Achim Schneider, MD; Wolfgang Pirsig, MD

**Oxygen Tension Measurements
of Head and Neck Cancers**

283

David J. Terris, MD, Eamonn P. Dunphy, MB

**Sponge-Gel-Supported Histoculture
Drug-Response Assay for Head and
Neck Cancer: Correlations With
Clinical Response to Cisplatin**

288

K. Thomas Robbins, MD; Kenneth M. Connors;
Anna Maria Storniolo, MD; Catherine Hanchett;
Robert M. Hoffman, PhD

American Medical Association

Physicians dedicated to the health of America



Copyright 1994 by the American Medical Association. All rights reserved.
Reproduction without permission is prohibited.

All articles published, including editorials, letters, and book reviews, represent the opinions of the authors and do not reflect the policy of the American Medical Association, the Editorial Board, or the institution with which the author is affiliated, unless this is clearly specified.

James S. Todd, MD
Executive Vice President

Kenneth E. Monroe
Deputy Executive Vice President

Larry E. Joyce
Senior Vice President

George D. Lundberg, MD
Editor-in-Chief, Scientific
Publications

Robert L. Kennett
Vice President, Publishing

Nawin Gupta, PhD
Director, Publishing Operations
Division

Cheryl Iverson
Director, Editorial Processing
Division

Michael D. Springer
Associate Publisher

John P. Cahill
Manager, Advertising Sales

Geoffrey A. Flick
Manager, Marketing Services

Advertising Offices: East: Phillip B. Altamore, Donald M. Blatherwick, John L. Reeves, 600 Third Ave, Suite 3700, New York, NY 10016; (212) 867-6640. **Diagnostics/Devices:** M. J. Mrvica Associates, 155 S White Horse Pike, Berlin, NJ 08009; (609) 768-9360. **Midwest/Far West:** Peter L. Payerli, 515 N State St, Chicago, IL 60610; (312) 464-2429.

DNA Content of Head and Neck Squamous Carcinoma by Flow and Image Cytometry <i>Regina F. Gandour-Edwards, MD;</i> <i>Paul J. Donald, MD; Thomas L-C. Yu, MD;</i> <i>Raylee R. Howard, MT(ASCP);</i> <i>Raymond L. Teplitz, MD</i>	294	Three-dimensional Imaging of the Parapharyngeal Space <i>Neal M. Lofchy, MD; John K. Stevens, PhD;</i> <i>Dale H. Brown, MD, FRCSC</i>	333
<hr/>			
<i>Historical Vignette</i>			
The Outcome and Techniques of Primary and Secondary Tracheoesophageal Puncture <i>Winifred W. Kao, MD; Rose M. Mohr, MD;</i> <i>Craig A. Kimmel, MD;</i> <i>Cathy Getch, MA-CCC-SLP;</i> <i>Craig Silverman, MD</i>	301	A Retrospective View of Jack Anderson's Changing Concept of Rhinoplasty <i>Alvin I. Glasgold, MD</i>	347
<hr/>			
<i>Regular Departments</i>			
Spasmodic Dysphonia: Emotional Status and Botulinum Toxin Treatment <i>Thomas Murry, PhD; Michael P. Cannito, PhD;</i> <i>Gayle E. Woodson, MD</i>	310	Index to Advertisers	246
Aerodynamic and Temporal Disruptions of Speech in Laryngeal Insufficiency <i>James A. Till, PhD; Roger L. Crumley, MD;</i> <i>Mehdi Jafari, PhD; Cindy Law-Till, MA</i>	317	News and Comment	253
		Resident's Page: Pathology	340
		Classified Advertising	349
		Instructions for Authors— See January 1994 issue, page 10.	

Clinical Notes

Histologic and Ultrastructural Features of Explanted Arenberg Shunts <i>Eric J. Cohen, MD, Douglas E. Mattox, MD</i>	326
--	------------

ARCHIVES

OTOLARYNGOLOGY— HEAD & NECK SURGERY

Editor:

Michael E. Johns, MD
The Johns Hopkins University
School of Medicine
SOM Administration 100
720 Rutland Ave
Baltimore, MD 21205-2196

Assistant Editors:

John K. Niparko, MD
William J. Richtsmeier, MD, PhD

Editorial Assistant:

Trina L. Johns

Administrative Assistant:

Karen L. Parkent
(410) 550-5226
(410) 550-5228 FAX

Editorial Board:

John G. Batsakis, MD
Houston, Tex
Robin T. Cotton, MD
Cincinnati, Ohio
Charles W. Cummings, MD
Baltimore, Md
Willard E. Fee, Jr, MD
Stanford, Calif
Jerome C. Goldstein, MD
Alexandria, Va
Lauren D. Holinger, MD
Chicago, Ill
Robert K. Jackler, MD
San Francisco, Calif
Robert I. Kohut, MD
Winston-Salem, NC
Wayne F. Larrabee, Jr, MD
Seattle, Wash

Robert H. Miller, MD

New Orleans, La
H. Bryan Neel III, MD, PhD
Rochester, Minn
Harold C. Pillsbury III, MD
Chapel Hill, NC
Clarence T. Sasaki, MD
New Haven, Conn
Fred J. Stucker, MD
Shreveport, La

Section Editors:

Medical News
Darrell Hunsaker, MD
San Diego, Calif

Resident's Page—Imaging
R. Nick Bryan, MD
S. James Zinreich, MD
Baltimore, Md

Resident's Page—Pathology

Frederic B. Askin, MD
Ralph H. Hruban, MD
Baltimore, Md

**American Academy of Facial Plastic and
Reconstructive Surgery News**

Dale H. Rice, MD
Maisie Shindo, MD
Los Angeles, Calif

**American Society for Head and Neck
Surgery News**

Jesus E. Medina, MD
Oklahoma City, Okla

**American Society of Pediatric
Otolaryngology News**

Sally R. Shott, MD
Cincinnati, Ohio