

# ACTA CYTOLOGICA

The Journal of  
Clinical Cytology  
and Cytopathology

Volume 48

May–June 2004

Number 3

## Contents

### Original Articles

#### *Fine Needle Aspiration*

- Fine Needle Aspiration Cytology of Endocrine Neoplasms of the Pancreas: Morphologic and Immunocytochemical Findings in 20 Cases** 295  
José A. Jiménez-Heffernan, M.D., M.R.C.Path., Blanca Vicandi, M.D., Pilar López-Ferrer, M.D., Ph.D., Pilar González-Peramato, M.D., Ph.D., Ana Pérez-Campos, M.D., and José M. Viguer, M.D.  
*Madrid, Spain*
- Myoepithelioma of the Salivary Glands: Fine Needle Aspiration Biopsy Findings** 302  
Perikala V. Kumar, M.D., M.I.A.C., Seyed Ali Sobhani, M.D., Ahmad Monabati, M.D., Seyed Baseer Hashemi, M.D., Fardin Eghtadari, M.D., and Seyed Afshin Hamidi, M.D.  
*Shiraz and Bandar Abbass, Iran*
- Cytomorphologic Spectrum of Carcinoma ex Pleomorphic Adenoma** 309  
Sonu Nigam, M.D., Neeta Kumar, M.D., and Shyama Jain, M.D.  
*New Delhi, India*
- Cytologic Features of Granulosa Cell Tumors in Fluids and Fine Needle Aspiration Specimens** 315  
Aseem Lal, M.D., Eleni P. Bourtsos, M.D., Ritu Nayyar, M.D., M.I.A.C., and Denise V. S. DeFrias, M.D., F.I.A.C.  
*Chicago, Illinois, U.S.A.*
- Role of Unstained Smears in Determining Sample Adequacy** 321  
Aruna K. Prayaga, M.D., D.C.P., and K. Vijaya, M.D.  
*Hyderabad, India*
- Papillary Thyroid Carcinoma and Its Variants in Fine Needle Aspiration Smears: A Cytomorphologic Study with Special Reference to Tall Cell Variant** 325  
Dilip K. Das, MBBS, M.D., Ph.D., D.Sc., FRCPath., M.I.A.C., Mrinmay K. Mallik, MBBS, M.D., Prem Sharma, M.Sc., Ph.D., Zaffar A. Sheikh, MBBS, DCP, F.I.A.C., Pulickamattathil A. Mathew, M.Sc., PGDCA, Mehraj Sheikh, MBBS, M.D., FRCR, Kahvic Mirza, M.D., Ph.D., John P. Madda, MBBCh, FRCPath., Issam M. Francis, MBBS, FRCPath., and Thamradeen A. Junaid, MBBS, Ph.D., FRCPath.  
*Kuwait*

<b>Utility of Repeat Fine Needle Aspiration in Acute Suppurative Lesions: Follow-up of 263 Cases</b>	<b>337</b>
Neeta Kumar, M.D., Shyama Jain, M.D., and N. S. Murthy, M.Sc., Ph.D.	
<i>New Delhi, India</i>	

## *Technique*

<b>Methodologic Aspects of Evaluating Brush Samples from Biliary Strictures by Cytology and DNA Flow Cytometry</b>	<b>341</b>
Annika Bergquist, M.D., Ph.D., Bo Lindberg, M.D., Jan Castro, M.D., and Bernhard Tribukait, M.D., Ph.D.	
<i>Stockholm, Sweden</i>	

## *Gynecologic Cytopathology*

<b>Population-Based Cervical Screening with a 5-Year Interval in the Netherlands: Stabilization of the Incidence of Squamous Cell Carcinoma and Its Precursor Lesions in the Screened Population</b>	<b>348</b>
Frederike C. Siemens, M.D., Mathilde E. Boon, M.D., Ph.D., Johan C. Kuypers, M.D., Ph.D., and Lambrecht P. Kok, Ph.D.	
<i>Delft, Leiden and Groningen, the Netherlands</i>	

<b>Bethesda 2001: Impact on the Reporting of Gynecologic Cytology</b>	<b>355</b>
David C. Chhieng, M.D., Janie Roberson, S.C.T.(ASCP), Jonathan Gidley, C.T.(ASCP), and Isam Eltoum, M.D.	
<i>Birmingham, Alabama, U.S.A.</i>	

<b>False Positive Diagnosis in Conventional and Liquid-Based Cervical Specimens</b>	<b>363</b>
Sharon Mount, M.D., Maureen Harmon, M.D., Gamal Eltabbakh, M.D., Denise Uyar, M.D., and Gladwyn Leiman, FRCPath.	
<i>Burlington and South Burlington, Vermont, and Cleveland, Ohio, U.S.A.</i>	

<b>Glandular Lesions of the Cervix on Thin-Layer Pap Tests: Validity of Cytologic Criteria Used in Identifying Significant Lesions</b>	<b>372</b>
Ferda Ozkan, M.D., Ibrahim Ramzy, M.D., and Dina R. Mody, M.D.	
<i>Houston, Texas, U.S.A.</i>	

## *Nongynecologic Cytopathology*

<b>Postoperative Bladder Washing Cytology After Transurethral Resection: Can It Predict the Recurrence of Urothelial Carcinoma?</b>	<b>380</b>
Kenneth A. Iczkowski, M.D., Giora Katz, M.D., and Carl J. Cascione, M.D.	
<i>Gainesville, Florida, U.S.A.</i>	

<b>Indian File Pattern of Adenocarcinoma Cells in Effusions</b>	<b>385</b>
Manikkapurath Hemachandran, M.D., and Pranab Dey, M.D., M.I.A.C.	
<i>Chandigarh, India</i>	

## *Case Reports*

<b>Spindle Cell Malignant Melanoma Metastatic to the Breast from a Pigmented Lesion on the Back: A Case Report</b>	<b>387</b>
Emilio Mayayo Artal, M.D., Ph.D., Virginia Gómez-Arracil, M.D., M.I.A.C., Rosa Mayayo Alvira, Javier Azua-Romeo, M.D., and Alfonso Arraiza, M.D.	
<i>Tarragona and Zaragoza, Spain</i>	

<b>Fine Needle Aspiration Cytology of Primary Epithelioid Sarcoma: A Report of 2 Cases</b>	391
Yasuyuki Kitagawa, M.D., Hiromoto Ito, M.D., Takuya Sawaizumi, M.D., Miyuki Matsubara, C.T.(IAC), Munehiro Yokoyama, M.D., Zenya Naito, M.D., Shotaro Maeda, M.D., and Yuichi Sugisaki, M.D. <i>Tokyo, Japan</i>	
<b>Cytologic Features of Chordoid Meningioma: A Case Report</b>	397
Hatsumi Inagawa, C.T.(IAC), Keisuke Ishizawa, M.D., Shio Shimada, M.D., Tetsuya Shimada, M.D., Ryo Nishikawa, M.D., Masao Matsutani, M.D., and Takanori Hirose, M.D. <i>Irumagun, Saitama, Japan</i>	
<b>Cytologic Features of Solitary Fibrous Tumor of the Parotid Gland: A Case Report</b>	402
Renê Gerhard, M.D., Eduardo Rodrigues Fregnani, D.D.S., M.Sc., Roberto Falzoni, M.D., Sheila Aparecida Coelho Siqueria, M.D., and Pablo Agustin Vargas, D.D.S., Ph.D. <i>São Paulo and Campinas, Brazil</i>	
<b>Cytologic Diagnosis of Suppurative Cholecystitis due to <i>Candida albicans</i> and <i>Actinomyces</i>: A Report of 2 Cases</b>	407
Leonard D. Santos, M.D., F.R.C.P.A., F.I.A.C., F.P.S.P., Karen A. Rogan, B.Appl.Sc., C.T.(ASC), C.T.(IAC), C.F.I.A.C., and Alan R. Kennerson, B.Sc., M.Sc. <i>Liverpool, New South Wales, Australia</i>	
<b>Intravascular Lymphomatosis of the Brain: Report of a Case Using an Intraoperative Cytologic Preparation</b>	411
Jae Ho Han, M.D., Jang Hee Kim, M.D., and Hyunee Yim, M.D., Ph.D. <i>Suwon, South Korea</i>	
<b>Hemophagocytic Histiocytosis Diagnosed by Fine Needle Aspiration Cytology of the Spleen: A Case Report</b>	415
Pio Zeppa, M.D., Antonio Vetrani, M.D., Giuseppe Ciancia, M.D., Antonio Cuccuru, M.D., and Lucio Palombini, M.D. <i>Naples, Italy</i>	
<b>Marginal Zone B-Cell Lymphoma of the Parotid Gland Associated with Epithelioid Granulomas: Report of a Case with Fine Needle Aspiration</b>	420
Agustín Vaíllo, M.D., Antonia Gutiérrez-Martín, M.D., Claudio Ballestín, M.D., M.I.A.C., and Juan Manuel Ruiz-Liso, M.D. <i>Soria and Madrid, Spain</i>	
<b>Human Herpesvirus 8 in Primary Effusion Lymphoma in an HIV-Seronegative Male: A Case Report</b>	425
Mariana Munichor, M.D., Hector Cohen, M.D., Ronit Sarid, Ph.D., Irena Manov, Ph.D., and Theodore C. Iancu, M.D. <i>Haifa and Nahariya, Israel</i>	
<b>Cribriform-Morular Variant of Papillary Thyroid Carcinoma: Report of a Case Showing Morules with Peculiar Nuclear Clearing</b>	431
Seiji Kuma, M.D., Mitsuyoshi Hirokawa, M.D., Ph.D., F.I.A.C., Bing Xu, M.D., Ph.D., Akira Miyauchi, M.D., Ph.D., Kennichi Kukudo, M.D., Ph.D., F.I.A.C., and Toshiaki Sano, M.D., Ph.D. <i>Tokushima and Wakayama, Japan</i>	
<b>Asymptomatic Intrathyroidal Parathyroid Adenoma: Report of a Case with Cytologic Differential Diagnosis Including Thyroid Neoplasms</b>	437
Esther Diana Rossi, M.D., Antonino Mulè, M.D., Gian Franco Zannoni, M.D., and Guido Fadda, M.D. <i>Rome, Italy</i>	

**Diagnosis of Thymolipoma with Fine Needle Aspiration Biopsy: Report of a Case Initially Misdiagnosed as Liposarcoma** 441  
 Mónica Belinda Romero-Guadarrama, M.D., Marco A. Durán-Padilla, M.D., Humberto Cruz-Ortíz, M.D., Lisset Castro-Gómez, M.D. Dolores López-Vancell, M.D., Virginia Novelo-Retana, M.D., Ana Cecilia Santiago-Prieto, M.D., Erika Fierro-Chávez, M.D., and Héctor A. Rodríguez-Martínez, M.D.  
*Mexico City, Mexico*

**Squash Smear Findings of Spherical Amyloid in Pituitary Prolactinoma: A Case Report** 447  
 Se Hoon Kim, M.D., Sun Ho Kim, M.D., Ph.D., Seung-Koo Lee, M.D., Ph.D., and Tai Seung Kim, M.D., Ph.D.  
*Seoul, South Korea*

## Abstracts

*Analytical and Quantitative Cytology and Histology: Volume 26, Number 2 (April 2004)* 451

## Letters to the Editors

**Tissue Concentration and Preservation of Morphology in Bloody Aspirates** 456  
 Neeta Kumar, M.D., and Shyama Jain, M.D.  
*New Delhi, India*

**Cytologic Features of Paratesticular Adenomatoid Tumor** 457  
 Ana Perez-Campos, M.D., José A. Jiménez-Heffernan, M.D., M.R.C.Path., Francisco Pérez, M.D., and Blanca Vicandi, M.D.  
*Aravaca and Madrid, Spain*

**Observation of Epithelial Atypia Associated with Intranuclear Inclusions in Ovarian Endometriosis** 458  
 Tadao K. Kobayashi, Ph.D., C.F.I.A.C., and Hajime Okamoto, M.D., Ph.D.  
*Ritto and Hyogo, Japan*

**Metastatic Pulmonary Urothelial Carcinoma of the Renal Pelvis with an Unusual Presentation** 459  
 Rajni Chibbar, MB, BS, FRCPC, Rani Kanthan, MB, BS, FRCPC, Donald W. Cockcroft, M.D., FRCPC, and George R. Philitoes, MB.ChB., FRCPC  
*Saskatoon, Saskatchewan, Canada*

**A Modified Rapid Papanicolaou Stain for Imprint Smears** 461  
 Misako Sato, B.S., Emiko Taniguchi, C.T.(IAC), Tomoko Kagiya, C.T., Osamu Nunobiki, C.T., C.M.I.A.C., Qifeng Yang, M.D., Misa Nakamura, Ph.D., Yasushi Nakamura, M.D., Ichiro Mori, M.D., and Kennichi Kakudo, M.D., F.I.A.C.  
*Wakayama, Japan*

**Carcinoma in Situ of the Fallopian Tube Presenting as a Positive Pap Smear** 462  
 Alexandra Safret, M.D., Beatrice Bösch, M.D., Fridolin Bannwart, M.D., Bernhard Rinderknecht, M.D., M.I.A.C., and Hans Ulrich Hafner, M.D.  
*Zurich and Horgen, Switzerland*

**Metastatic Granulosa Cell Tumor: Diagnosis by Fine Needle Aspiration** 464  
 Uma Handa, M.D., Sumedha Ahal, DCP, DNB, Harsh Mohan, M.D., MNAMS, FICP, and Anjali Aggarwal, M.D.  
*Chandigarh, India*

<b>Benefits of the Conventional Papanicolaou Smear</b>	466
Bapurao N. Mali, M.Sc., Ph.D., Kamal T. Hazari, M.D., D.G.O., and Jayashree V. Joshi, M.D., Ph.D. <i>Mumbai, India</i>	
<b>Cytologic Features of Papillary Cystadenoma of the Epididymis Associated with Hydrocele</b>	467
Charitini Nepka, M.D., Ph.D., Antonios Kipouros, M.D., Ioannis Amplianitis, M.D., Andreas Kangas, M.D., Apostolos Papalakis, M.D., and Antonios Kafanas, M.D. <i>Serres, Greece</i>	
<b>Effusion Cytology of Pleural Mesothelioma, Epithelial Type, with Extreme Cytoplasmic Vacuolization</b>	469
Marie-Rose M. Akin, M.D., and Gia-Khanh Nguyen, M.D., F.I.A.C. <i>Fresno, California, U.S.A., and Edmonton, Alberta, Canada</i>	
<b>Cysticercosis Diagnosed by Fine Needle Aspiration Cytology</b>	471
Kailash Chandra Agrawal, M.D., Debi Prasad Mishra, M.D., and Prasanta Kumar Das, M.D. <i>Orissa, India</i>	

**For an examination schedule for cytopathologists and cytotechnologists, please visit the International Academy of Cytology website, [www.cytology-iac.org](http://www.cytology-iac.org).**

The opinions and statements in this journal are those of the authors and are not attributable to the sponsor, publisher, editors or editorial board of *Acta Cytologica*. Product dosages, indications and methods of use referred to in the papers and discussions reflect the authors' clinical experience or are derived from other professional sources.