

Cyto Paths

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Marluce Bibbo, M.D., Sc.D., F.I.A.C., Editor



American Society of Cytopathology 50th Annual Scientific Meeting

Salt Lake City, Utah, November 5–9, 2002
Diane D. Davey, M.D.



As part of the 50th anniversary celebration, several historical lectures were scheduled in addition to historical poster displays. Dr. Leopold Koss gave a special lecture entitled “Cells, People and Money—Cytopathology Half a Century Ago.”

Dr. Koss was also awarded the first ASC Lifetime Achievement Award at the golden anniversary gala. Dr. Marshall Austin discussed recently translated letters of Dr. George Papanicolaou during the ASC lecture and a panel luncheon. The Papanicolaou Award was presented to Dr. David Kaminsky, who addressed historical and modern cytopathology relationships in his lecture. The gala celebration also featured the premiere of Dr. Kaminsky’s historical ASC film and a historical slide show. Past-presidents, past cytotology advisory committee chairs and founding members were



Diane D. Davey, M.D.

honored with medals at the gala celebration. Other major awardees at the banquet included Mr. H. Daniel Schantz (Cytotechnologist Award for Outstanding Achievement), Ms. Jamie Covell (President’s Award) and Mr. John Shalkham (Excellence in Education).

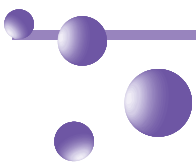
The Basic Science Award was presented to Dr. Irving Weissman, of Stanford University, who discussed the biology and transplantation of stem and progenitor cells. Dr. Leon Terstappen gave the New Frontiers in Cytology lecture, “Detection and Characterization of Circulating Carcinoma Cells.” Dr. Thomas Wright, Jr., moderated the Current Issues in Cytology Seminar entitled “The End of the Pap Smear? A Look at Emerging Technologies” and updated the audience on HPV DNA testing. Other seminar speakers and topics included Dr. Laura Koutsky,

Highlights

- Dr. Luiz M. Collaço
- Zagreb, Croatia
- Dr. Prabodh K. Gupta

IAC Websites

www.cytology-iac.org
www.acta-cytol.com
www.aqch.com
www.cytology-tutorial.org



HPV Vaccines; Anne Clark, confocal microscopy; Dr. Magnus von Knebel Doeberitz, P16 and other biomarkers for cervical disease; and Dr. Mary Parker, fluorescence spectroscopy for diagnosing cervical neoplasia.

A lively point-counterpoint discussion characterized the State of the Art Symposium, entitled "Controversies in Urine Cytology." Participants included Drs. Robert Stephenson, Stephen Raab, Andrew Renshaw and Michael Cohen. Drs. J. Thomas Cox and Diane Solomon provided a gynecologic cytology update entitled, "Final ALTS Results and Guide-

lines for Management of Women with Abnormal Cervical Cytology." Dr. Dina Mody moderated the Diagnostic Cytology Seminar, and images were posted prior to the meeting on the ASC website.

This year's meeting included six panel luncheons covering topics from advocacy to basic research. There were 188 platform and poster presentations, where 761 medical professionals attended. Next year's meeting is scheduled for November 8-12 at the Wyndham Palace Resort and Spa at the Walt Disney World Resort, Florida (www.cytopathology.org).

NEW COMMITTEE PROMOTES EDUCATIONAL EXCHANGE BETWEEN FIRST AND THIRD WORLD

A newly formed subcommittee of the IAC is recruiting expert cytopathologists who are willing to volunteer their expertise and service for a limited period of time to foster the development of cytology laboratories in the Third World. Objectives of the subcommittee are to establish a formal platform for experienced cytopathologists to work and teach in the host country, to promote the development of regional cytology laboratories and to organize and contribute to local or regional symposia and courses on cytology. Although travel funds will be provided, there is no intention to provide salaries or honoraria. The host country is expected to cover the necessary means at the local level. The committee acts as a clearing agency, matching supply and demand. Intended time periods range from three to six months. Members of the committee are:

Chair:

Nadir Paksoy, M.D., M.I.A.C., Turkey

Members:

Chhandra Bewtra, M.D., M.I.A.C., U.S.A.
Marluce Bibbo, M.D., Sc.D., F.I.A.C., U.S.A.
Matias Jimenez Ayala, M.D., F.I.A.C., Spain
Gabriele Medley, M.D., F.R.C.P.A., F.I.A.C., Australia
Alexander Meisels, M.D., F.R.C.P.C., F.I.A.C., Canada
Joao Carlos Prolla, F.I.A.C., Brazil
Naum Shapiro, M.D., M.I.A.C., Russia
Eric J. Suba, M.D., U.S.A. and Vietnam
George L Wied, M.D., F.I.A.C., U.S.A.
Ex-Officio
Volker Schneider, M.D., F.I.A.C., Germany
G. Peter Vooijs, M.D., Ph.D., F.I.A.C., the Netherlands

Cytology laboratories in need of an expert cytopathologist willing to provide the local support and cytopathologists willing to give their services to such a project are asked to contact the chair of the committee:

Prof Nadir Paksoy, M.D., M.I.A.C.
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Additional Reading

1. Bewtra C: Establishing a worldwide volunteer cervical cytology program. *Acta Cytol* 2000;44:695-696
2. Sellors JW, Levin CE: Cervical cancer screening in developing countries. *Cancer* 2002;94:2312-2314
3. Suba EJ, Raab SS: The Viet/American Cervical Cancer Prevention Project. *Cancer* 2002;94:2314-2316
4. Zardawi IM: Fine needle aspiration cytology in a rural setting. *Acta Cytol* 1998;42:899-906

XVIIth Brazilian Congress Of Cytopathology

Foz do Iguaçu, Paraná, Brazil, September 4–8, 2002

Luiz Martins Collaco, M.D., M.I.A.C.

The XVIIth Brazilian Congress of Cytopathology took place on September 4–8, 2002, Foz do Iguaçu, Paraná, Brazil. The president of the congress was Dr. Luiz Martins Collaço (MIAC), and the congress had 600 participants, >40 Brazilian speakers and 13 foreign experts, including Mathias Jimenez Ayala (Spain), Jose Schalper (Chile), Marluce Bibbo (U.S.A.), Denise De Frias (U.S.A.), Gia Khanh Ngyuen (Canada), Eric Van Marck (Belgium), Lambrecht Kok and Mathilde Boon (Netherlands), Edneia Tani and Lambert Skoog (Sweden), Fernando Carlos Schmitt, Fernanda Milanese and Margarida Almeida (Portugal). Among the subjects discussed, liquid-based Pap preparation and the Bethesda System adapted to Brazil received special attention. Workshops on microscopy, FNAC, liquid-based

preparations, cytologic examinations of effusions and secretions, cytologic examinations of the uri-

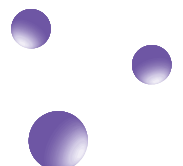


Dr. Raquel Wal, Dr. Alvaro Piazzetta Pinto, Dr. Ana Paula Martins Sebastião and Dr. Luiz M. Collaço

nary tract, and endometrium and conventional Pap smears were well attended.



Iguaçu Falls is located on the border between Argentina and Brazil. The Falls stretch for 2.5 miles plunging 269 feet (82m) into Iguaçu River.



Clinical Cytology in Croatia

Ana Borovecki, M.D., and Ika Kardum-Skelin, M.D.

From the Division of Cytology and Hematology, Department of Medicine, Medical School, University of Zagreb, Zagreb, Croatia.

Croatia, one of the independent countries emerging after the desintegration of Yugoslavia in 1991, has 4.7 million inhabitants. Its capital is Zagreb, where close to 1 million people live.

Croatia has breathtaking natural beauty. Most prominent and best known is the Adriatic coast, part of the Mediterranean Sea, with 1,185 islands and a total coastline of over 4,000 km.

The Croatian Society for Clinical Cytology was founded in 1991 as one of the successor societies of the former Yugoslav Society of Clinical Cytology. In 1993 the society became a regular

Cytologic practice in Croatia is organized regionally. There are 49 organizational units throughout Croatia in 21 towns that perform cytologic diagnoses within general and specialized hospitals, hospital centers, medical divisions and private institutions. In 32% of them cytologic activities are organized as independent diagnostic units, while in 27% they are included in pathology departments, mostly in general hospitals; 41% are laboratories or sections of clinical departments, most frequently internal or gynecologic, which are found mainly in hospital centers. It is the opinion of our society that cytologic units should be organized as independent units at the institutional level; in that way they can independently develop their activities within the institution.

There are currently 75 cytologists (57 physicians plus 18 practitioners with a master's degree) and 22 residents in clinical cytology in Croatia as well as 107 cytotechnologists and

41 laboratory technicians. As to the type of material analyzed, 63% of the units perform comprehensive cytology and 16% comprehensive cytology without gynecology, while 21% deal with only 1 cytologic field (gynecologic, pulmologic, etc.). As to the type of cytologic methods performed, apart from morphologic and cytochemical



First Croatian Congress of Clinical Cytology with international participation, March 12-14, 1995, Zagreb, Croatia.

member of the European Federation of Cytology Societies (EFCS) at a meeting in Vienna, and the name Croatian Society for Clinical Cytology was added to the group of some 60 international cytologic societies affiliated with the International Academy of Cytology and listed in *Acta Cytologica*. Today the society has 117 members.

analysis, immunocytochemical techniques, computerized image analysis (morphometry, image DNA cytometry and AgNOR analysis) and molecular biology methods are most frequently used in diagnostic and research procedures (*in situ* PCR and *in situ* hybridization).

Organized education started in 1967 with the initiation of postgraduate studies in "medical cytology" at the Faculty of Medicine, University of Zagreb. In 1967 the training of medical technologists in cytotechnology began. Physicians who were involved mainly in cytodiagnosics established an independent professional organization, the Section for Cytology and Cytodiagnosics, in 1970 within the Croatian Medical Association, to develop cytology systematically.

Our society organized 2 major congresses for clinical cytologists with international participation in 1995 and 2000. Our members have taken an active part in recent international and European cytologic meetings. We are planning regular international symposia on clinical cytology; they are dedicated to Professor Jasna Ivic, who

was one of the pioneers of clinical cytology in our country.

The first symposium, "Gynecologic Cytology in Croatia—50 Years Later," will be held on May 16, 2003, in Zagreb on the occasion of the 50th anniversary



Second Croatian Congress of Clinical Cytology with international participation, June 11–13, 2000, Zagreb, Croatia.

of the inauguration of the Department for Gynecologic Cytology of the Department of Gynecology and Obstetrics, University Hospital Center of Zagreb, under the patronage of the Croatian Academy of Medical Sciences and EFCS.

You are cordially invited to visit our society's website, which contains additional information: <http://hlz.mef.hr>.

The 4th Annual "Mastering the Challenges of Cytopathology," sponsored by the Department of Pathology, Johns Hopkins University, will take place April 10–12, 2003. Diane K. Solomon, M.D., will be the John K. Frost lecturer.

For information please contact the course administrator, Shirley Long, at 410-955-1180 or salong@jhmi.edu; for registration contact 410-955-3169 or cmenet@jhmi.edu, or visit the Web at <http://pathology2.jhu.edu/cytopath/cme.html>.

For an examination schedule for cytopathologists and cytotechnologists, please visit the International Academy of Cytology website, www.cytology-iac.org.

Light Source

Born in Shorkot, India, Prabodh Kumar Gupta, M.B., B.S., M.D., F.I.A.C. was 8 years old when he would look for red, ripe tomatoes among the poppies growing with the corn stalks and nests of weaverbirds among the mango trees – his first lesson in “screening.”

After finishing his M.B., B.S., Prabodh trained in internal medicine and general surgery. However, he soon discovered the value of correct laboratory investigations and decided to pursue pathology as a specialty. He joined the pathology-training program at the All India Institute of Medical Sciences (AIIMS), New Delhi, under the tutelage of V. Ramalingaswami (V.R.).

Working late one evening on a blood smear, Prabodh discovered a cell he had never seen before. In his excitement, he carried the microscope to one of his professors still in his office. After being snubbed because “The time I spend after office hours is my time and not for hospital work,” Prabodh vowed never to refuse to examine a slide or say no to a student. He completed his M.D. in pathology. Recognizing the needs of the institute, he seized the opportunity to establish a cytopathology laboratory at AIIMS. Leo Koss’s first edition of *Diagnostic Cytology and Its Histopathological Basis* and the Papanicolaou *Atlas* were the only 2 relevant books in the institute’s

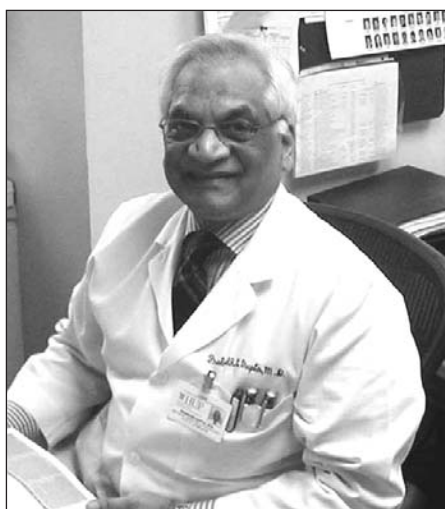
library and were his first “teachers” in cytopathology. He soon acquired a copy of *The Concepts Basic to Cytopathology*, by John K. Frost.

Prabodh was lucky: his initial success with a few cases of cytopathology was well recognized, and V.R. helped him obtain a postdoctoral fellowship in cytopathology at Massachusetts General Hospital. While in Boston, he published the first case of cervical dysplasia related to azothioparine therapy; now he thinks it was a reactivation of HPV infection. He also published a definitive paper on the value of urinary cytology in the detection of cervical cancer.

Before returning to India, Prabodh spent a year with John K. Frost at Johns Hopkins, the Mecca of cytopathology. He realized that Jack did not practice cytopathology: he was cytopathology!

At AIIMS, Prabodh built a cytopathology laboratory presently headed by Professor Kusum Verma. He seized the opportunity when Dr. Frost invited him to join the faculty of Johns Hopkins University School of Medicine. Prabodh spent the next 16 years in Baltimore.

At Hopkins, Prabodh made over a dozen original observations while reviewing thousands of “negative” Pap smears (yes, they examined all the slides) and other cytopathology speci-



Prabodh K. Gupta, M.B. B.S., M.D., F.I.A.C.

mens. He is best known for establishing the association of *Actinomyces* and IUD usage. The terms *Gupta bodies* and *Gupta lesions* were introduced into the literature. His work contributed to reassessing IUD usage, including design and adverse effects. He described IUD-associated cell changes and introduced the term *IUD cells*.

Innate curiosity and an exceptionally academically supportive environment at Hopkins prepared Prabodh to pursue his scholarly activities. He investigated and described the cytomorphology of cervical *Chlamydia* infection. In collaboration with his wife, Jean, a cytotechnologist and then doctoral student at the Hopkins School of Hygiene and Public Health, he investigated HPV in cervical smears. They were the first to detect intranuclear HPV in prestained Pap smears utilizing antigen localization and *in situ* hybridization techniques. Prabodh worked for a number of years on the early lung cancer detection multiinstitutional study and collaborated with pathologists from the Memorial Sloan Kettering Hospital and Mayo Clinic.

Prabodh has a passion for cytopathology and is happiest when examining slides. He believes, "Cells speak, and we need to learn their language." He enjoys teaching. He has conducted the daily morning cytopathology conference at the University of Pennsylvania for the last 15 years. He savors the interaction with his colleagues and trainees and believes, "To be a good teacher, you have to be a life-long student." Prabodh summarized his philosophy of life during his acceptance speech for the Papanicolaou Award of the American Society of Cytopathology

(ASC); "I have been a student throughout my life; I would like to share this award with the place where I was a student—that is, Johns Hopkins University, Baltimore; the place where I am a student—that is, the University of Pennsylvania, Philadelphia; and the people who recognized my schooling, the American Society of Cytopathology." (The cash award was distributed among these 3 organizations.)

Prabodh has been an invited speaker for over 200 scientific gatherings. He has worked for a number of national and international organizations, including the National Academy of Sciences, NIH, CDC, WHO and UN. As president of the ASC, he revamped the program of the annual scientific meetings and invited cytotechnologists to share the podium with cytopathologists for the diagnostic slide seminar. He also established the Clinical Practice Guidelines Committee.

At the IAC, Prabodh has been a member of the Program Committee, the Board of Examiners and chairman of the Editorial and Ethics Committees. He serves on the editorial board of 4 cytopathology journals. He has over 230 scientific publications, including numerous chapters and the recently completed slide set on thyroid cytopathology published by the IAC.

Prabodh enjoys cooking; his annual barbeque for the international registrants at the Johns Hopkins course was "the best part of the otherwise-intense and demanding 2-week exercise." He delights in gardening. His photographs decorate the walls of his office and house. His mantra is, "Things will not change on their own; they may if you try — try you must."

COME JOIN US IN HONG KONG

FOR THE

23RD International Tutorial

on Clinical Cytology and Biomarkers

October 2–9, 2003



The Hong Kong College of Pathologists and IAC Tutorials of Cytology are jointly organizing the 23rd International Tutorial on Clinical Cytology and Biomarkers, to be held in Hong Kong in 2003.

This will be the first time that Tutorials of Cytology and its renowned faculty will conduct a program in Hong Kong, and it is guaranteed to be a memorable and successful event with attendance by the global community involved in cytology.

The tutorial will be an excellent opportunity for relative beginners in the discipline to learn from the masters, but it is also designed to cater to the needs of experienced colleagues who wish to be exposed to the latest trends. The tutorial will also act as a final refresher for those who wish to sit for the IAC International Board of Cytopathology and IAC Registry Examination for cytotechnologists, which will be held at the conclusion of the meeting.

Bonus is the opportunity to savor the range of delights that Hong Kong and its environs offer. A rich cultural experience in an easily accessible form is a major drawing card for Hong Kong. Its fusion of food, culture and shopping makes for an unforgettable visit.

Plan well. Take in all the meeting has to offer, but make sure you give yourself time to explore all of Hong Kong as well as nearby Macau. Just one of the possible lasting memories is an evening trip to Lamma Island, with the spectacular Hong Kong skyline seen from a boat by night – equally spectacular going to or from a seafood feast.



To request additional information E-mail: Tutorial@HongKong2003.org or Fax to (773) 947-0290