

WOMEN IN NEUROSURGERY



President's Message: Women in Neurosurgery



Susan C. Pannullo, MD
WINS President

Some background on WINS

Women in Neurosurgery began as a grassroots organization, invented by a few visionary women who perceived the potential value of a group that could help women navigate the challenges and obstacles faced by female neurosurgeons. Over the ensuing 17 years or so since its conception, WINS has developed into a real and vibrant entity, offering support, guidance, education and networking opportunities for the growing number of interested female medical students, residents, fellows and practicing neurosurgeons.

Highlights of WINS Programs and Initiatives

WINS Educational Programs

WINS produces educational programs of interest to both men and women. The Ruth Kerr Jacoby Lectures and Alexa Canady Lectures are presented at the American Association of Neurological Surgeons and Congress of Neurological Surgeons, respectively, at the WINS Receptions. Recent WINS reception programs have included presentations on developing a surgical spine center, maximizing career opportunities, and participation in Hurricane Katrina relief efforts.

At this September's CNS meeting, the WINS Reception will include an address by Darlene Fitzgerald, Former Special Agent for the US Customs Service. More on this program inside the newsletter...

With the growth of WINS's involvement in education, has come creation of special programs. The fall of 2006 marked the first WINS-sponsored plenary lecture at the CNS. In the spring of this year, at the AANS, WINS sponsored the inaugural Inaugural Louise Eisenhardt Plenary Lecture. Finally, as part of WINS regionalization efforts, local programs will offer presentations throughout the year. More on these programs will be available this fall through the WINS website.

WINS Awards

WINS sponsors 2 resident scholarship awards—The Sherry Apple Resident Travel Scholarship Award, presented at the Congress of Neurological Surgeons Annual Meeting, and The Louise Eisenhardt Resident Travel Scholarship Award, given at the American Association of Neurological Surgeons Meeting each year. The "Friend of WINS" award is an honor given to a male neurosurgeon who has demonstrated significant support for women neurosurgeons. This spring, the "Friend of WINS" award was given to Donald Quest, MD, for his longstanding support of women at various levels in neurosurgery.

WINS Website

The WINS website has been updated and reorganized. The website contains information about WINS history, membership, WINS educational programs, links to prior WINS newsletters and a special area for residents.

Check it out at www.neurosurgerywins.org. Future features will include a WINS bulletin board, an area for open member dialogues, and a virtual mentor program.

Membership Expansion

As part of a new WINS membership initiative, all women neurosurgery residents and fellows will be provided with WINS membership. Welcome letters will be sent this fall.

WINS membership fees are waived for medical students, residents and fellows. All neurosurgeons are welcome to join WINS. Physician Assistants, Nurses, and Nurse Practitioners are encouraged to join WINS, with reduced membership fees offered. In addition, a WINS International Outreach Program has been initiated, with the goal of inviting participation by women neurosurgeons throughout the world.

Membership needs surveys will serve as tools for directing WINS as the organization keeps pace with changing member and prospective member needs. Younger women coming up the ranks in neurosurgery have, for the most part, different experiences from those of their predecessors, and with those different experiences come different needs. Recognition of these changing needs will result in a relevant, contemporary WINS.

WINS Outreach

As an organization and though individual leadership, WINS participates in a variety of neurosurgical associations and interest groups, including the Council of State Neurosurgical Societies, World Federation of Neurological Surgeons, the Congress of Neuro-

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WINS Reception
and Meeting**

WINS MISSION

*To educate,
inspire, and
encourage women
neurosurgeons
to realize their
professional and
personal goals,
and to serve
neurosurgery in
addressing the issues
inherent to training
and maintaining a
diverse and balanced
workforce.*

President's Message (Cont'd)

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logical Surgeons and the American Association of Neurological Surgeons. Particular areas of interest include Workforce Issues, Mentorship, International Outreach and Resident Education. WINS members are also well-represented in Think First and the Foundation for International Education in Neurological Surgery.

WINS Mentorship Programs

Mentorship is an important part of WINS. There are experiences and questions unique to women in neurosurgery; WINS offers a mentoring program that matches an experienced neurosurgeon with a resident or medical student, based on level of training, location, and specialty interests. WINS members also participate in

mentorship programs of other organizations.

Forward Progress

Twenty-plus years ago, when I first openly expressed an interest in neurological surgery, I was told, "Women don't do neurosurgery." As a general principle, with few exceptions, that 1980s statement was true (see bar graph below). Since this warning, things have changed, and women, if not yet commonplace in neurosurgery, are at least more prevalent, for a variety of reasons.

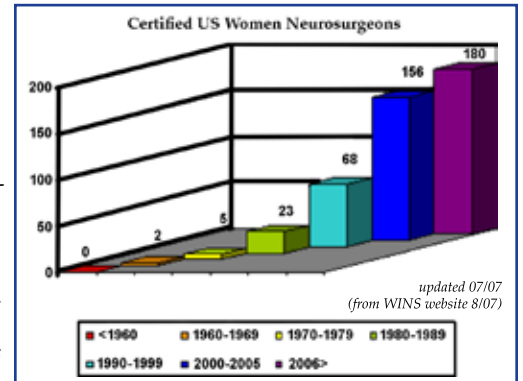
Over the past several years, there has been a palpable change in the interest in recruiting and keeping female neurosurgeons-- as a result, the world of neurosurgery has become for women a more liv-

able place. Organized neurosurgery is clearly welcoming exploration of issues intrinsic to having women neurosurgery residents and women neurosurgery colleagues. Neurosurgical leaders are examining impediments to recruitment, retention, and advancement of women in neurosurgery. WINS welcomes the opportunity to lead and participate in this endeavor, thus encouraging neurosurgery's capture and retention of the best and brightest, regardless of gender.

As the new President of Women in Neurosurgery, I am proud of

what WINS has accomplished, grateful for the efforts of the women that have preceded me, and hopeful for the women who will follow. It is a wonderful time to be a Woman in Neurosurgery.

*Susan C. Pannullo, MD
New York, NY*



MEET THE OFFICERS 2007-2008



Susan C. Pannullo, MD: President

Dr. Susan Pannullo is the Director of Neuro-Oncology in the Department of Neurological Surgery at New York-Presbyterian Hospital/Weill Cornell Medical Center. She completed residencies in Neurology and Neurological Surgery at New York Hospital-Cornell and a Fellowship in Neuro-Oncology at Memorial Sloan-Kettering Cancer Center. Dr. Pannullo is Board-Certified in both Neurology and Neurological Surgery.

Dr. Pannullo is an Assistant Professor at Weill Cornell Medical College and has an additional appointment as Adjunct Professor at Columbia University College of Physicians and Surgeons. She heads The New York Brain Tumor Center at Weill Cornell where, as founder and leader of the New York Brain Tumor Project, she directs The Brain Tumor Center's brain tumor clinical trials. Her surgical interest is Stereotactic Radiosurgery.

She serves on the Board of Directors of the Brain Tumor Society and The Washington Center. Her professional memberships include the American Association of Neurological Surgeons, the New York State Neurosurgical Society, the Society for Neuro-Oncology and the Council of State Neurosurgical Societies, in which she serves as Chair of the AANS Caucus.

Dr. Pannullo lives in New Jersey with her husband, 3 sons and 2 Bernese Mountain Dogs.



Lauren F. Schwartz, MD: President-Elect

Dr. Lauren Schwartz attended medical school at Temple University in Philadelphia and completed neurosurgical training at The Cleveland Clinic and Albert Einstein College of Medicine/Montefiore Medical Center. She has fellowship training in cerebrovascular surgery from the University of Texas and pediatric neurosurgery under the late Fred Epstein at the Institute for Neurology and Neurosurgery in New York City. She is currently appointed Assistant Professor of Neurosurgery at Bay State Medical Center, Tufts University School of Medicine, where she continues to focus her practice in cerebrovascular surgery and tumor. Dr. Schwartz has been a member of WINS since 1993.

Aviva Abosch, MD, PhD: Secretary/Treasurer



Dr. Aviva Abosch completed her neurosurgery residency at the University of California, San Francisco (UCSF). She subsequently pursued fellowship training in Epilepsy Surgery at the Montreal Neurological Institute of McGill University (Montreal, Quebec) followed by fellowship training in Stereotactic and Functional Neurosurgery at the Toronto Western Hospital of the University of Toronto (Toronto, Ontario). She was a member of the Neurosurgery faculty at Emory University before taking the position as Director of Epilepsy, Stereotactic, and Functional Neurosurgery at the University of Minnesota. In addition to expanding the epilepsy and deep brain stimulation surgery programs at the University of Minnesota, Aviva is actively engaged in functional imaging research aimed at elucidating the mechanisms that underlie the neuropsychiatric disorders. She lives with her husband and their two children, in St. Paul, MN.

2007 Alexa Canady Lecture: WINS Reception, Tuesday, September 18

"THE CRIMINALITY OF HONESTY"

Darlene Fitzgerald

WINS announces the 2007 Alexa Canady Lecturer will be former Special Agent Darlene Fitzgerald. Ms. Fitzgerald was a Special Agent for the US Customs Service and cross designated agent in the Secret Service and the DEA. She is author of the book, "BorderGate", detailing her personal experience fighting on the front lines of the War on Drugs. In addition, as a counter-

terrorism specialist focusing on US Borders and Port of Entry, she has appeared on, "The O'Reilly Factor", "C-Span", and numerous other television and radio talk shows. Ms. Fitzgerald has more than 20 years experience in criminal justice, is a decorated veteran of the US Army, and has written extensively for the national and international press. Her story was recently presented by Senator

Grassley in Senate Sub-Committee proceedings. Ms. Fitzgerald is now working to free imprisoned Border Patrol Agents, John Carman, Jose Alonso Compean, and Ignacio Ramos.

Ms. Fitzgerald provides fascinating, "no holds barred" insight into the working of the US Government, Homeland Security, and the role women play in national security efforts.



Darlene Fitzgerald
Former Designated
Special Agent,
US Customs

The 2007 Sherry Apple Resident Travel Scholarship



JOBYNA WHITING, MD
University of Florida, Gainesville
Chief Resident, Department of Neurosurgery

Atypical Non-Benign Clinical Course for Spontaneous Angiogram-negative Subarachnoid Hemorrhage: A Single Center Experience with 95 Patients.

This award will be presented at the WINS reception during the CNS Annual Meeting, Tuesday, September 18, 2007, San Diego, California.

The paper will be presented during the Select Abstract Session, Monday, September 17, 2007, 4:00-5:30 PM.

The Sherry Apple Resident Scholarship was named in honor of our dear col-league and WINS President who, sadly, died in 2001. The Sherry Apple Resident Travel Scholarship is granted yearly to an outstanding resident abstract accepted at the Congress of Neurological Surgeons Annual Meeting. Up to \$2000 stipend is given to cover travel expenses.



Sherry Apple



The 2007 Louise Eisenhardt Resident Travel Scholarship



TARYN M. BRAGG, MD
Loyola Univeristy Chicago, Stritch School of Medicine
Fourth-year Neurosurgery Resident

Effects of IGF-1 and Peripheral Nerve Stimulation on the Recovery of Rats Following Spinal Cord Injury

The paper and award were presented at the AANS Annual Meeting Scientific Session II—Spine and Peripheral Nerve, Monday, April 16, 2007 3:45-4:00 PM.

The Louise Eisenhardt Resident Travel Scholarship is granted yearly to an outstanding resident abstract accepted at the American Association of Neurological Surgeons Annual Meeting. Up to \$2000 stipend is given to cover travel expenses.



Louise Eisenhardt



For both Sherry Apple and Louise Eisenhardt Resident Travel Scholarships, all interested residents may submit their abstracts through the CNS and AANS Abstract Center and indicate WINS award consideration in the provided menu.

WINS would like to thank MGI Pharma and the Integra Foundation for its generous support of resident education and research through the Sherry Apple and Louise Eisenhardt Scholarships.

2007 Congress of Neurological Surgeons Annual Meeting: "Navigating Change" September 15-20, 2007 • San Diego, CA **WINS Highlights**

Saturday, September 15

PRACTICAL COURSES

PC04—Spinal Radiosurgery

Course Director Peter C. Gerszten
Faculty Jason P. Sheehan, Mark H. Bilsky, Fraser C. Henderson, Steven D. Chang, Lilyana Angelov

PC06--CPT Coding: Fall 2007 Update

Course Director Gregory J. Przbylski
Faculty Mina Foroohar, Robert R. Johnson, Alexander Mason, William Mitchell

Sunday, September 16

PC09—Brain Tumor Update

Course Directors.....Jeffrey J. Olson, Jeffrey Bruce
FacultyFrederick F. Lang, Frederick G. Barker, Gene H. Barnett, Ennio Antonio Chiocca, Franco DeMonte, Mark E. Linskey, Michael William McDermott, Andrew T. Parsa, Ian F. Pollack, Andrew E. Sloan, **Gail L. Rosseau**

PC11—Traumatic Brain Injury

Course Directors..... Raj K. Narayan, Lori Ann Shutter
FacultyKarin S. Biebrauer, Randall Chesnut, William M. Coplin, Domenic P. Esposito, Jamshid Ghajar, Peter, J. Hutchinson, Jack Jallo, Geoffrey T. Manley, Lawrence F. Marshall, John D. Pickard, Claudia S. Roberson, **Shelly D. Timmons**

PC21—Debates in Spinal Dysraphism

Course Directors.....J. Gordon McComb, **Karin Muraszko**

PC31—Pediatric Brain Tumor Update

Course Directors.....James T. Rutka, Corey Raffel
FacultyMichael D. Taylor, Ian F. Pollack, Natlin Gupta, **Karin Muraszko**, **Shenandoah Robinson**, John A. Jane, Jr., Joh Wellons, III, Bermans Iskandar, John Kestle, Andrea Jea, Douglas L. Brockmeyer, Mark D. Krieger

Monday, September 17

LUNCHEON SEMINARS

M17—Neuromodulation for Pain, Movement Disorders and Stroke Rehabilitation

Moderator..... Jaimie M. Henderson
Faculty ..Jeffrey A. Brown, Giovanni Broggi, **Aviva Abosch**

2:00-3:00 PM

CNS Neurosurgical Forum—Council of State

Neurosurgical Societies

Moderators.....Joshua M. Rosenow, Catherine A. Mazzola

2:00-4:00 PM

CNS Neurosurgical Forum—Section on Neurotrauma and Critical Care

Moderators.....Eve Tsai, Craig H. Rabb

4:00-5:45 PM

Section on Neurotrauma and Critical Care Select Abstract Session

Moderator..... Odette Harris

4:00-5:45 PM

Section on Pediatric Neurological Surgery Select Abstract Session

Moderator..... Sarah J. Gaskill

4:00-5:45 PM

Sherry Apple Resident Travel Scholarship Award Winning Abstract

Select Abstract Session

Jobyna Whiting, MD

Atypical Non-Benign Clinical Course for Spontaneous Angiogram-negative Subarachnoid Hemorrhage: A Single Center Experience with 95 Patients.

Tuesday, September 18

LUNCHEON SEMINARS

T22—Treatment of Peripheral Nerve Entrapment

Moderator..... Michael Kliot
Faculty Robert J. Spinner, Robert L. Tiel, **Lynda J. Yang**

2:00-3:30 PM

Special Course III

Mental and Physical Health of the Neurosurgeon: Achieving Balance in Your Personal and Professional Life

Course Director Allan D. Levi
The Resident's Perspective

Stacey C. Quintero

A Surgeon's Story: Successes, Failures, and a Prescription for a Balanced Life

Joseph C. Maroon

Managing the Demands of Professional Life

Jamie Dickey-Ungerleider, PhD, Ross Ungerleider

4:00-5:30 PM

Section on Stereotactic and Functional Neurosurgery I

Brain Mapping: Current Concepts and Future Directions

Moderators.....Michael Schulder, **Kathryn L. Holloway**

Wednesday, September 19

LUNCHEON SEMINARS

W41 – Practical Management of Peripheral Nerve and Brachial Plexus Injury

Moderator..... David G. Kline
FacultyEric L. Zager, Alan Belzberg, **Lynda J. Yang**

W45 – Controversies in the Management of Chiari I Malformations

Moderator..... **Karin M. Muraszko**
Faculty Ulrich Batzdorf, Douglas L. Brockmeyer,
Thomas H. Milhorat

W50 – Changing Economics of Neurosurgical Health Care

Moderator..... Fernando G. Diaz
Faculty Robert E. Harbaugh, **Edie E. Zusman**,
Katie O. Orrico

W52 – Graduating Resident's Course

Moderator..... Michael P. Steinmetz
Faculty Craig A. Ven Der Veer, Alan M. Scarrow,
Linda M. Liau

4:00-5:30 PM

Section on Neurotrauma and Critical Care II Neurocritical Care: Frontiers

Moderator..... William M. Coplin
4:30-4:45 PM
Liberal Transfusion Strategy in Severe TBI
Shelly D. Timmons

4:00-5:30 PM

Section on Disorders of the Spine and Peripheral Nerves II

4:00-4:30 PM
Cervical Spine and Upper Extremity Neuropathy
Moderator..... **Lynda J. Yang**

4:00-5:30 PM

Consensus Conference II Navigating the Transition into Retirement: A Consensus Development Laboratory on When to Limit or Discontinue Neurosurgical Practice

Moderator..... Mark E. Linskey
4:36-4:48 PM
Economic and Work Force Factors and Their Effect on
Neurosurgeon Retirement
Deborah Benzil

**Renew or become a member of WINS on line at
www.myaans.org**

**For help obtaining a password, please contact
Sandy Meyer at sjm@aans.org or
Chris Philips at cap@aans.org**

**Donations to WINS for
program development are greatly appreciated.**

Thursday, September 20

Navigating Changes in Practice: Managing the Present and Working toward the Future Interactive Case Discussion

7:00-8:20 AM

Consult with Your Expert Colleagues

Stereotactic and Functional Neurosurgery

Katheryn L. Holloway, Andres M. Lozano,
Michael G. Kaplitt

Peripheral Nerve

David G. Kline, Eric L. Zager, **Lynda J. Yang**

Neurotrauma and Critical Care

Lawrence F. Marshall, **Shelly D. Timmons**

Pediatric Neurological Surgery

R. Michael Scott, **Karin Muraszko**, Michael Levy

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Highlights from the AANS Annual Meeting 2007

Washington, DC

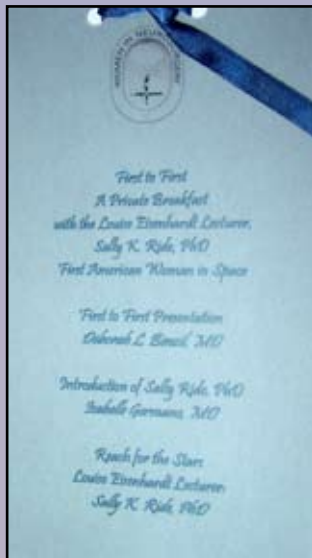
First Annual Louise Eisenhardt Lecture

Sally Ride, PhD.

Tuesday, April 17, 2007



Sally K. Ride, PhD, the first American female astronaut in space, was the first Louise Eisenhardt Lecturer. On the morning of her lecture, a breakfast was held in her honor.



Deborah Benzil presents "First to First: Pioneers in Neurosurgery and Space"



Sally Ride with, from left, Edie Zusman, Lucy Love, Deborah Benzil, Lauren Schwartz



AANS President, Donald Quest, presents a scroll to Sally Ride honoring the lectureship.



Sally Ride, PhD presents the First Louise Eisenhardt Lecture about her experiences in space.



Sally Ride addresses WINS members and guests.



WINS President, Jamie Ullman, presents a tribute to Louise Eisenhardt at the Plenary Session.



Sally Ride with WINS officers and past Presidents: Standing (from left): Emily Friedman, Isabelle Germano, Lauren Schwartz, Ann Marie Flannery, Jamie Ullman, Sally Ride, Deborah Benzil, Lucy Love, Diana Kraemer
Seated (from left): Karin Muraszko, Gail Rosseau, Susan Pannullo, Holly Gilmer-Hill

WINS Reception: Tuesday, April 17, 2007



Taryn Bragg, the 2007 Louise Eisenhardt Resident Travel Scholarship recipient receives a Louise Eisenhardt coffee mug



AANS President Donald Quest, receives the coveted Friend of WINS award

Ruth Kerr Jakoby Lecturers



Joan O'Shea talks about opening an ambulatory spine center.



Judy Rosman discusses strategies for finding the right employment opportunity.



Women in Neurosurgery
5550 Meadowbrook Drive
Rolling Meadows, IL 60008



**WOMEN IN
NEUROSURGERY
2007-2008
OFFICERS**

President

Susan C. Pannullo, MD

President-Elect

Lauren F. Schwartz, MD

Secretary/Treasurer

Aviva Abosch, MD, PhD

www.neurosurgerywins.org

Announcing...

First Regional WINS Meeting and Reception

New York City
Friday evening, December 14, 2007

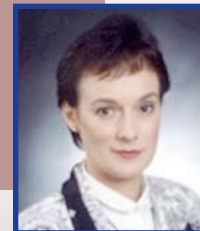
Exciting networking opportunity!

Look for announcements of the program in October.

WINS would like to thank DePuy for their generous support of this function.

2007 ALEXA CANADY LECTURE

- WINS Reception
- CNS Annual Meeting,
San Diego, CA
- Marriott Hotel
Torrance Room
- Tuesday, Sept. 18,
2007
- 6:00 - 7:30 p.m.



Darlene Fitzgerald
*Former Designated
Special Agent,
US Customs*

WINS is proud to announce the speaker for the Alexa Canady Lecture this year at the CNS Annual meeting's WINS Reception:

DARLENE FITZGERALD
The Criminality of Honesty
Author of BorderGate

Ms. Fitzgerald will give us an inside view of our national security. Please join us for this exciting lecture!

WINS would like to thank MGI Pharma for their generous support of the CNS 2007 WINS Reception.