

SCHOOL OF
MEDICINE



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MEDICAL SCHOOL

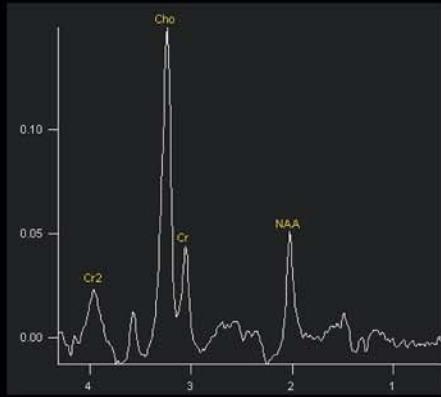
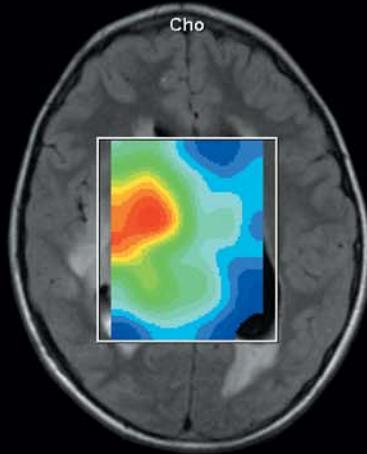
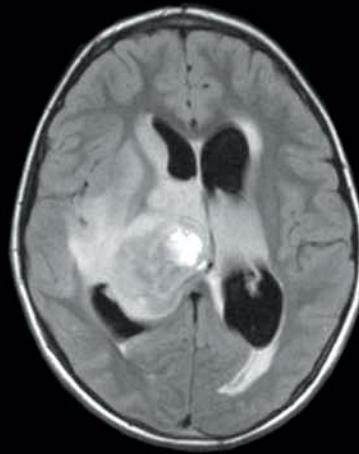
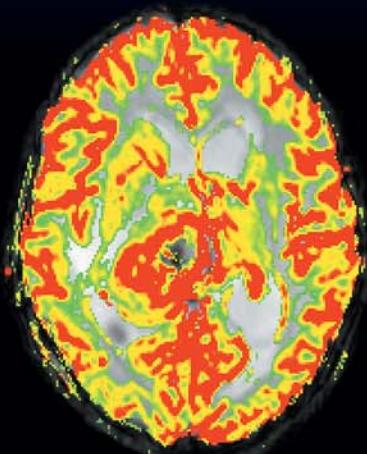
AND THE DEPARTMENT
OF RADIOLOGY

ENROLLMENT
IS LIMITED TO
40

MR Spectroscopy & Perfusion MRI Symposium: The Basics and Beyond

March 6–7, 2004

NYU Medical Center • New York City



MR Spectroscopy & Perfusion MRI Program Information

Course Director

Meng Law, M.D.

Assistant Professor of Radiology
NYU School of Medicine

Guest Faculty

Barbara Holshouser, Ph.D.

Associate Professor of Radiology
Loma Linda University Medical Center
Loma Linda, California

Jeffrey L. Sunshine, M.D., Ph.D.

Assistant Professor of Radiology
University Hospitals Cleveland and
Case Western Reserve University
Cleveland, Ohio

NYU School of Medicine Faculty

Robert Carson BSRT

Senior MRI Technologist

Oded Gonen, Ph.D.

Professor of Radiology

Glyn Johnson, Ph.D.

Associate Professor of Radiology

Edmond A. Knopp, M.D.

Associate Professor of Radiology and Neurosurgery
Section Chief, Neuroradiology

Meng Law, M.D.

Assistant Professor of Radiology

Andrew W. Litt, M.D.

Associate Professor of Radiology
Vice Chair, Financial Affairs

Siemens Medical Solutions, Inc.

Sheila Bero BSRT

Advanced MR Application Specialist
Siemens Medical Solutions, Inc.

Abraham Padua, Jr. BSRT

Advanced MR Application Specialist
Siemens Medical Solutions, Inc.

Nouha Salibi, Ph.D.

MRS Research Collaboration
Manager
Siemens Medical Solutions, Inc.

SATURDAY, MARCH 6, 2004

- 7:30 **Registration & Continental Breakfast**
- 8:00 **Welcome**
Meng Law, M.D.
- 8:15 **PERFUSION MRI:
PHYSICS/TECHNIQUES/PARAMETERS**
Glyn Johnson, Ph.D.
- 8:45 **SPECTROSCOPIC MRI:
PHYSICS/TECHNIQUES/METABOLITES**
Nouha Salibi, Ph.D.
- 9:30 **CLINICAL APPLICATION OF
PERFUSION MRI IN STROKE**
Jeffrey L. Sunshine, M.D., Ph.D.
- 10:00 **CLINICAL APPLICATION OF
SPECTROSCOPIC MRI**
Meng Law, M.D.
- 10:30 **Coffee Break**
- 11:00 **ADVANCED MRI TECHNIQUES
(DIFFUSION AND PERFUSION) IN
NEUROINTERVENTIONAL TRIAGE
AND THERAPY**
Jeffrey L. Sunshine, M.D., Ph.D.
- 11:45 **DEVELOPMENTAL AND PEDIATRIC
MR SPECTROSCOPY**
Barbara Holshouser, Ph.D.
- 12:30 **Questions and Discussion**
- 12:45 **Lunch** (Provided by Siemens Medical Solutions, Inc.)
- 2:00 **Afternoon Workshops**
(25 minute rotations)
- 1 POST PROCESSING/ACQUISITION MRS**
(Satellite Console 1)
Nouha Salibi/Sheila Bero
 - 2 POST PROCESSING PERFUSION MRI**
(Satellite Console 2) Abe Padua
 - 3 PERfusion MR & STROKE
TEACHING CASES**
(MRI Conference Room)
Jeffrey Sunshine
- 20 Minute Coffee Break**
- 4 READING MRS CLINICAL CASES,
PITFALLS**
(Neuroreading Rm 1) Meng Law
 - 5 READING PERfusion CLINICAL
CASES, PITFALLS**
(Neuroreading Rm 2)
Edmond A. Knopp/Andrew Litt
 - 6 READING MRS CLINICAL CASES**
(Neuroreading Rm 3)
Barbara Holshouser
- 5:00 **Adjourn**

SUNDAY, MARCH 7, 2004

- 7:45 **Continental Breakfast/
Reimbursement Discussion/Issues**
- 8:15 **TUMORAL PERfusion MRI AND
ADVANCED APPLICATION IN PERfusion**
Edmond A. Knopp, M.D.
- 9:00 **TUMORAL SPECTROSCOPIC MRI**
Meng Law, M.D.
- 9:45 **PITFALLS/SHIMMING/SIGNAL TO NOISE:
HELPFUL HINTS IN CLINICAL
SPECTROSCOPY**
Oded Gonen, Ph.D.
- 10:30 **Coffee Break**
- 11:00 **MR SPECTROSCOPY IN BRAIN INJURY
AND DEGENERATIVE DISORDERS**
Barbara Holshouser, Ph.D.
- 11:45 **ADVANCES IN MRS/ULTRA HIGH
FIELD/FUTURE TRENDS**
Oded Gonen, Ph.D.
- 12:30 **Lunch** (Provided by Siemens Medical Solutions, Inc.)
- 2:00 **Afternoon Workshops**
(25 minute rotations)
- 7 POST PROCESSING/ACQUISITION MRS**
(Symphony/Sonata)
Nouha Salibi/Sheila Bero
 - 8 POST PROCESSING PERfusion MRI**
(Satellite Console 1) Abe Padua
 - 9 ACQUISITION OF DATA/SETTING UP
PERfusion/SPECTROSCOPY**
(Symphony/Sonata/Allegra)
Rob Carson/Sheila Bero
- 20 Minute Coffee Break**
- 10 READING ADVANCED MRS
CLINICAL CASES, PITFALLS**
(Neuroreading Rm 1) Meng Law
 - 11 READING ADVANCED PERfusion
CLINICAL CASES, PITFALLS**
(Neuroreading Rm 2)
Edmond A. Knopp/Andrew Litt
 - 12 ADVANCED MRS PITFALLS
POST PROCESSING**
(Neuroreading Rm 3)
Oded Gonen
- 5:00 **Adjourn**



Symposium: The Basics and Beyond

General Information

ENROLLMENT
LIMITED TO 40

Target Audience

This symposium has been designed specifically for MR radiologists, fellows, residents, technologists, physicists, physicians who order, perform and interpret neuro-MR studies.

Expected Outcome

It is expected that course participants will gain basic and advanced knowledge to perform Perfusion and Spectroscopic MRI from a technical and clinical point of view. Skills for interpretation of Perfusion and Spectroscopy data will also be acquired.

Course Description

This two-day symposium will cover important aspects of Perfusion and Spectroscopic MRI. The course is designed to offer an intense and complete educational experience from basic physics to measurement, different techniques, post-processing and interpretation of perfusion and spectroscopy data. The course is divided into a morning session with lectures from experts in the clinical and research fields of these advanced MRI techniques. The afternoon will provide opportunity in small groups for hands-on data acquisition, post-processing as well as interpretation of clinical cases. Combining perfusion and diffusion in stroke triage and therapy. Tumoral and non-tumoral indications for these techniques will be presented including: Alzheimer's disease, Parkinson's disease, traumatic brain injury, pediatric disorders, multiple sclerosis, HIV, glioma characterization, and radiation necrosis.

Accreditation

The NYU Post-Graduate Medical School is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor continuing medical education for physicians.

The NYU Post-Graduate Medical School designates that these continuing medical education activities meet the criteria for credit hours in Category I of the Physician's Recognition Award of the American Medical Association.

12.75 hours in Category I

Disclosure Statement

The NYU Post-Graduate Medical School adheres to ACCME standards regarding industry support of continuing medical education. Disclosure of any commercial relationships as well as discussion of off label or investigational use of any drug, device or procedure by the faculty, will be made known at the symposium.

Registration Information

Registration fees are \$1250 per attendee (\$950 for residents/fellows/NYU alumni/techs and retired physicians) and include course materials, a textbook on this topic, and breakfast and lunch on both days.

We encourage you to register on-line by going to www.radcme.med.nyu.edu or by completing the enclosed Registration Form and faxing it to 212-263-3959 or mailing it as indicated. Email addresses are now required if you want to receive a confirmation and receipt.

Workshop Location

The program will take place in Schwartz F Auditorium at the NYU Medical Center located at 550 First Avenue (between 30th and 31st Streets) in New York City. Please bring photo ID to enter the Medical Center. Afternoon workshops take place at the MRI Building just off the lobby of the Medical Center.

The NYU Medical Center is a 20-minute walk from either Penn Station or Grand Central Station.

Hotel Reservations

A block of rooms is being reserved at the Affinia Dumont, located just 3 blocks from the Medical Center. It offers studio, junior and one- and two-bedroom suites and kitchens and is recommended by the organizers if want to be located near the NYU Medical Center. Please call the Dumont as soon as possible at 1-800-637-8483 indicating you are part of the "NYU Spectroscopy Group" to receive discounted rates of \$169 plus tax for studios per night, and \$209 plus tax for one-bedroom suites. The cutoff date for this room block is three (3) weeks prior to the conference although the block could be filled prior to this time. If you are interested in other hotels, a listing is available on the website (www.radcme.med.nyu) and discounts are available for NYU visitors.

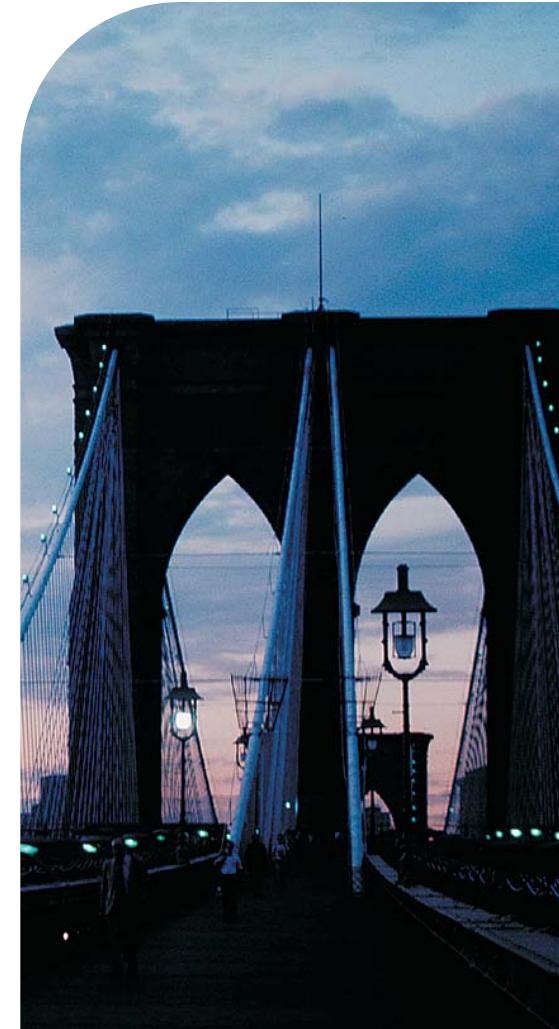
Visiting Fellowships in MRI

Week-long Visiting MRI Fellowships are available to radiologists who desire to update their MRI interpretive skills. These sessions are clinically oriented and are not didactic in format. Certain weeks are set aside for visiting fellows and limits are placed on the number of visitors per week. Please call 212-263-3936 to reserve a place. Summer sessions are not available.

Acknowledgements

The organizers gratefully acknowledge the educational support received from the following organization for this program:

SIEMENS MEDICAL SOLUTIONS, INC.



Registration Form

MR Spectroscopy & Perfusion MRI Symposium: The Basics and Beyond

March 6-7, 2004
NYU Medical Center, NYC

How did you hear about this course?

Journal Ad Brochure Mailing Web-site

Other (please specify) _____

PLEASE PRINT CLEARLY

Name _____

Address _____

City _____

State _____ Zip _____

Day Phone _____

Fax _____

E-mail _____
(now required if you want to receive a confirmation)

Degree _____ Specialty _____

Sub-Specialty _____

Tuition Payment Options (Please Check)

Full-Tuition \$1250
 Discounted Tuition* \$950

Tuition Includes Textbook.

*for residents, fellows, NYU alumni, technologists, V.A. employees, full-time active military personnel, retirees, and physicists.

Methods of Payment

Check in U.S. Dollars made payable to **NYU Department of Radiology**
 Credit Card Payment (see right column)
 International Postal Money Order
(if more convenient for overseas participants)

Refund Policy:

An administrative charge of \$75 will be assessed for cancellations made in writing by February 1, 2004. Refunds will be possible after this date subject to a \$150 service charge.

Online
Registration
Now Available at
www.radcme.med.nyu.edu

Mail To

Carmen Escobar
NYU Medical Center
Department of Radiology
560 1st Avenue, TCH - Room 390
New York, NY 10016-4998

Fax To

(212) 263-3959

In Case of Questions, Contact Carmen Escobar:

Phone: (212) 263-3936
Email: carmen.escobar@med.nyu.edu

Payment by Credit Card

Card Member's Name (print carefully) _____

Card # _____

Amount to be Charged: \$ _____

Bill to: Visa Mastercard American Express

Exp Date: Month/Year _____ / _____

Signature (required to process) _____

Confirmation of Course Acceptance:

A confirmation will be sent to you by e-mail if you provide your e-mail address.

On-line registration is the easiest and fastest as an automatic confirmation is sent to you.

Course Cancellation Policy:

In the unusual circumstance that this course is cancelled, two weeks' notice will be provided and full tuition refunded. The NYU Post-Graduate Medical School is not responsible for any airfare, hotel or other costs incurred.

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New York University



New York University
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