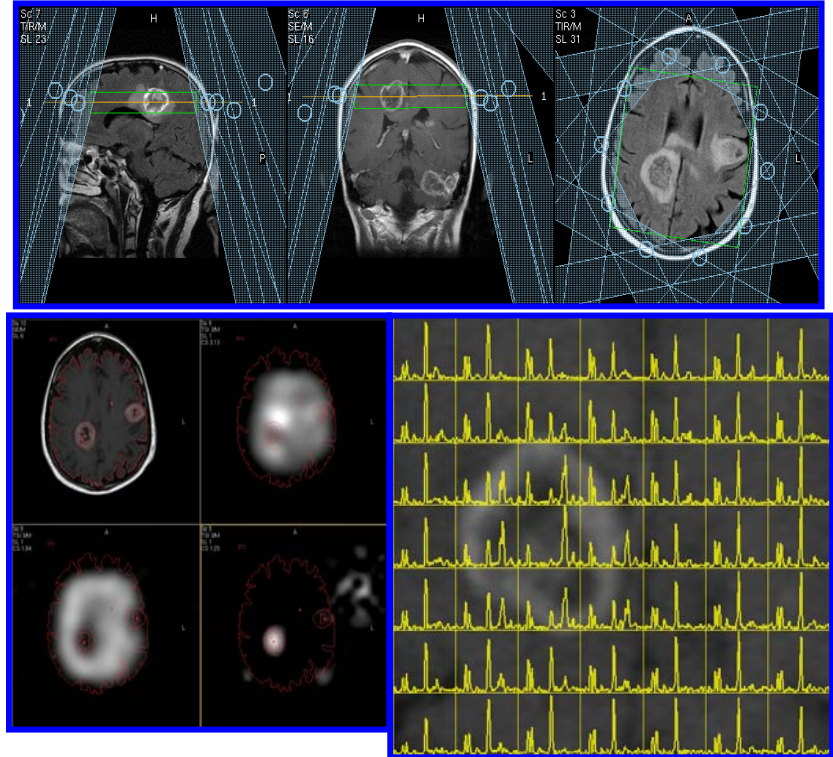


PHILIPS SPECTROSCOPY WORKSHOP

PHILIPS
sense and spectroscopy



September 19-22, 2006

Cleveland, OH

PHILIPS MR SPECTROSCOPY COURSE

CLEVELAND

Date:

Begin: Tuesday, 19 September 2006, 10:00 (09:15 pickup at Hotel)

End: Friday, 22 September 2006, 1:00 PM

Course Location:

Philips Medical Systems
595 Miner Road
Cleveland, OH 44143
USA

Contact Information:

Charlotte D'Angelo
Philips Medical Systems
595 Miner Road
Cleveland, OH 44143
USA
Phone: +1 (440) 483 3765
E-mail: charlotte.d'angelo@philips.com
Sri.swaminathan@philips.com

Hotel Information:

Reservation will be made at a hotel close to the Philips plant at Miner Road and about a 45 min. ride from downtown.

Course Fee:

\$3500. -- (includes course material, hotel, breakfasts, lunches, social event)

Class Size:

12 maximum

Organizational Issues:

- Since the class size is limited to accommodate the hands-on training, you will receive a confirmation after your registration has been received.
- Hotel is reserved by course administration.
- Transportation from hotel to course location and back provided.
- Continental breakfast and lunches in the cafeteria included.
- The hotel is about 30 miles from the airport. You will be responsible for the transportation from and to the airport. Taxi fare is about \$50.
- Dinner, except social event on your own. There is a restaurant in the hotel and a grill/bar in walking distance.

COURSE DESCRIPTION

Magnetic resonance spectroscopy is becoming an important technique in the clinical setting for diagnosis and treatment planning. A stronger understanding of MRS will help technologists, scientists and clinicians to implement these methods more effectively and reliably, with heightened awareness of their strengths and weaknesses. This course is designed to review and further develop the participants' grasp of the basics and to provide experience with more advanced acquisition, post processing and visualization tools. Hands-on exercises will be an important aspect of the course wherein principles discussed in classroom lectures will be reinforced.

PROGRAM OVERVIEW

Focus on Intera R11 and Achieva R1.2, 1.5 software releases

Intera/Achieva 1.5 T, 3.0 T & 7.0* T systems are covered.

Note: The user interface and methods part as well as the research workstation application are similar for the different field strengths.

* 7T hands-on session is subject to magnet availability. A safety screening is also required.

Tuesday, September 19, 2006

Introduction, basic physics.
Neurochemistry, applications
Localization, Suppression
Scan optimization and acquisition
Hands-on exercise: SVS on 1.5, 3.0 & 7.0 T

Wednesday, September 20, 2006

CSI & TSI acquisition
SVS & SI post-processing
1 T to 7 T: Comparing *in-vivo* spectra
Hands-on exercise:
 SVS, SI data handling
 SpectroView post-processing
 CSI, TSI acquisition
Social event

Thursday & Friday, September 21-22, 2006

“Next Generation” acquisition & processing
Multi-nuclear MRS
Non neuro applications
Hands-on exercise:
 P-31 Spectroscopy
 Prostate spectroscopy at 1.5 T & 3.0 T

COURSE FACULTY

Ulrike Dydakt†, Ph.D., ETH, Zurich, Switzerland
James Murdoch, Ph.D., Philips Medical Systems, Cleveland
Mark Stoez, MS, Philips Medical Systems, Cleveland
Srirama Swaminathan, Ph.D., Philips Medical Systems, Cleveland

REGISTRATION

Please send completed registration form to:
charlotte.d'angelo@philips.com

Note that class size for this course is limited. You will receive confirmation on a first come first serve basis.

Registration deadline: September, 12 2006

Participant Information:

Last Name :
First Name :
Title :
Institution :
Address :
:
City :
State and Zip code :
Phone :
Fax :
e-mail :
Special diet request :
Will You Be Participating in Social Event: (Yes or No)
How many nights for accommodation: _____
Check-In Check-Out

† Also GyroTools Ltd., Tiechestrasse 49, CH-8037 Zurich, Switzerland

SURVEY QUESTIONS

So that we can better tailor this course to your needs, it would be helpful if you could fill out this brief survey and return it to Charlotte D'Angelo with your registration. Thanks.

1. What system(s) do you have currently at your facility? (1.0, 1.5, 3.0 or 7.0 T)
2. What is your background?
3. What are your current interests in spectroscopic applications? Check whatever that applies.
 - a. Neuro
 - b. Prostate
 - c. Liver
 - d. Breast
 - e. Ortho
 - f. Other (anatomy)
 - g. Multi Nuclei (specify): Nuclei of interest
 - i. Proton
 - ii. P-31
 - iii. C-13
 - iv. Na-23
 - v. F-19
 - vi. Others (specify)
4. How many spectroscopy studies are performed at your facility?
5. Does your facility bill spectroscopic studies? (Yes or No)
If answered "Yes" to the above question
 - a. What is your reimbursement rate? (%)
 - b. What spectroscopic studies do you bill? (Neuro, Body or Both)
 - c. Would you be willing to share your experience with other Philips customers? (Yes or No)
6. What do you expect to get out of this course?