

# **Abdominal Radiology Course 2007**

**Presented by**

**The Society of Gastrointestinal Radiologists**

**and**

**The Society of Uroradiology**

**in conjunction with**

**The European Society of Urogenital Radiology**

**The Thirty-Sixth Annual Meeting of  
The Society of Gastrointestinal Radiologists**

**The Thirty-Second Scientific Assembly of  
The Society of Uroradiology**

**and the**

**Fourteenth Annual Meeting of  
The European Society of Urogenital Radiology**

**April 15 – 20, 2007**

**Hyatt Regency Coconut Point Resort & Spa  
Bonita Springs, Florida**

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## **CME Statement**

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of The Society of Gastrointestinal Radiologists and The Society of Uroradiology. The Society of Gastrointestinal Radiologists is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

### **Postgraduate Course**

The Society of Gastrointestinal Radiologists designates this educational activity for a maximum of 27 *AMA PRA Category 1 credit(s)*<sup>TM</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity.

### **SGR and SUR/ESUR Scientific Paper Sessions**

The Society of Gastrointestinal Radiologists designates this educational activity for a maximum of 5 *AMA PRA Category 1 credit(s)*<sup>TM</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity.

## **CME Credit and Program Evaluation Forms**

The attendance sign-in sheet is located near the ARC registration counter. In compliance with the ACCME, all attendees must record attendance daily in order to receive Category 1 CME credit. CME request forms and certificates of attendance will be distributed at the registration table upon check in. Please fill in the credit hours that you completed for each day and return the white copy of the form to the registration desk at the end of the meeting. Please keep the colored copy for your records as this is your official certificate. You will not receive any further documentation concerning CME credit for this meeting.

Program evaluation forms are included in the back of your syllabus book. Please detach the form, complete it and return it to the ARC registration desk after the completion of the course. Your input will allow us to better serve you.

## **Acknowledgments**

### **ARC 2007 Gratefully Acknowledges the Support of the Following Companies:**

AGFA Healthcare  
Amirsys  
Bracco Diagnostics, Inc.  
Bayer Healthcare  
Elsevier  
E-Z-EM, Inc.  
Fleet Pharmaceuticals  
GE Healthcare  
Lippincott Williams & Wilkins  
Mallinckrodt  
Philips Medical Systems, Inc.  
Siemens Medical Solutions USA, Inc.  
Toshiba America Medical, Inc.  
US Army Healthcare  
Vital Images, Inc.

## Disclosure

As an accredited sponsor, the Society of Gastrointestinal Radiologists must ensure balance, independence, objectivity, and scientific rigor in all its individually or jointly sponsored educational activities. The faculty members of the Abdominal Radiology Course 2007 have disclosed the following:

### **Grant/Research Support:**

Clive Bartram – E-Z-EM, Inc.

Joshua Becker – Bayer Healthcare

Peter Choyke – General Electric Healthcare, Siemens Medical Systems, Inc., Philips Medical Systems

Abraham Dachman – ICAD

Jeff Fidler – E-Z-EM, Inc.

Joel Fletcher – Siemens Medical Solutions, E-Z-EM, Inc.

Bernd Hamm – Schering-Plough, Siemens Medical Systems, Inc., Toshiba American Medical, Inc.

Hyun-Jung Jang – Bristol-Myers Squibb

Bonnie Joe – RSNA Scholar Award

Tae Kyoung Kim – Bristol-Myers Squibb

Bernard King – National Institutes of Health Grant

William Mayo-Smith – General Electric Healthcare

Rendon Nelson – General Electric Healthcare, Bracco Diagnostics

Perry Pickhardt – Fleet Pharmaceuticals

Joel Platt – Bayer Healthcare

Jonas Rydberg – Philips Medical Systems

Carl Sandler – General Electric Healthcare

Kumaresan Sandrasegaran – Philips Medical Systems

Claude Sirlin – Bayer Healthcare, General Electric Healthcare

Jorge Soto – General Electric Healthcare

Aart van der Molen – Toshiba American Medical, Inc.

Antonio Westphalen – RSNA Fellow Award

Ronald Zagoria – Mallinckrodt

### **Consultant:**

Mark Baker – E-Z-EM, Inc.

Abraham Dachman – ICAD, E-Z-EM, Inc., General Electric Healthcare

Jeff Fidler – General Electric Healthcare

Spencer Gay – Kodak PACS

David Geller – Aloka, Tissue Link, Boston Scientific

Bernd Hamm – Schering-Plough, Toshiba American Medical, Inc.

Jay Heiken – Mallinckrodt

Frederick Kelvin – Ethicon, Inc.

Philippe Lefere – E-Z-EM, Inc.

Marc Levine – E-Z-EM, Inc.

Michael Macari – Siemens Medical Solutions, E-Z-EM, Inc., Vital Images

Dean Maglinte – Cook Inc., E-Z-EM, Inc.  
Alec Megibow – E-Z-EM, Inc., Westbury, Siemens Medical Advisory Board  
Rendon Nelson – General Electric Healthcare  
Pamela Nugent – Viatronix  
Perry Pickhardt – Viatronix, Philips Medical Systems, Medicsight  
Joel Platt – General Electric Healthcare, E-Z-EM, Inc., Vital Images  
Myron Pozniak – Zonare Medical Systems, Inc., General Electric Healthcare  
Frank Scholz – Ethicon, Johnson and Johnson  
Stuart Silverman – Siemens Medical Solutions, Galil Medical, Ltd.  
Ronald Zagoria – Mallinckrodt

**Speaker's Bureau:**

Mark Baker – E-Z-EM, Inc.  
Spencer Gay – General Electric Healthcare  
Joel Platt – General Electric Healthcare

**Major Stock Shareholder:**

Fred Lee – Micrablate, LLC  
Frank Scholz – Fspoon Company  
Steven Seltzer – Medicalis, Inc.

**Other Financial or Material Support:**

James Ellis – Bayer Healthcare  
Joel Fletcher – General Electric Healthcare  
Jay Heiken – Medrad Inc., Mallinckrodt  
Aliya Qayyum – Phillips Medical Systems  
Kohkan Shamsi – Bayer Healthcare  
William Torres – Mallinckrodt

**Name of Investigative Device or Drug To Be Discussed in Presentation:**

Peter Choyke – Radiolabeled Herceptin, Fluorescent Probes  
James Ellis – Sodium Bicarbonate, Acetylcysteine, and Theophylline  
Klaus Kubin – Prostream  
Gabriele Maseelli – General Electric Healthcare, Bracco Diagnostics, Inc., Guerbet  
Jonas Rydberg – Brilliance 64 CT  
Vlastimil Valek – Sobo Vue

**All other faculty members have indicated that none of the above relationships exist in regard to their presentations at this meeting.**

## **Cases of the Day**

Ali Shirkhoda, MD  
Zafar Jafri, MD  
William Beaumont Hospital  
Royal Oak, Michigan

Cases of the day constitute a variety of unknown interesting examinations of the gastrointestinal and genitourinary tract. Some of the cases are classic examples of a condition, others are more challenging – but all are diagnoses that can be made using the provided photographs. A variety of GI and GU organs and imaging modalities are explored.

This year, the cases will be presented on two computers which will be located in the Scientific Poster area. Each morning, for four consecutive days, two new cases will be displayed; one case will be geared toward GI radiology and the other one toward GU radiology. The cases will be contributed by representatives of the SGR, SUR and ESUR. Radiologists should submit their best answers daily in the voting box. The correct answers will be displayed the following morning with a brief description.

The winner and two runner-ups will be announced on Friday morning, prior to the start of the general session.

## Special Events

### Sunday, April 15, 2007

- 1:00 – 2:30 p.m. SUR Business Meeting (*SUR Members*)
- 1:00 – 2:30 p.m. SGR Business Meeting (*SGR Members*)
- 5:00 – 6:00 p.m. **In-Camera Session (*SGR/ESGAR and SUR/ESUR Members*)**  
**How Can We Ensure High Quality CT Colonography?**  
Jay P. Heiken, MD, Moderator
- 6:30 – 8:00 p.m. SUR/ESUR Reception and Talent Show – “Uroradiology’s Got Talent”  
(*SUR/ESUR Members*)

### Monday, April 16, 2007

- 7:00 – 8:00 a.m. **New Horizons Lecture**  
**Molecular Imaging of Metastatic Ovarian Cancer**  
Peter L. Choyke, MD  
**Modern Imaging Techniques for Renal Parenchymal Diseases**  
Nicolas Grenier, MD
- 6:30 – 8:00 p.m. Welcome Reception (*Course Registrants and Guests*)

### Tuesday, April 17, 2007

- 2:00 – 4:30 p.m. Tennis Tournament

### Wednesday, April 18, 2007

- 7:00 – 8:00 a.m. **Walter B. Cannon Lecture**  
**Evolution of Minimally Invasive Liver Cancer Program**  
David A. Geller, MD
- 11:30 a.m. – 12:30 p.m. **Unknown Film Panel**  
Lorenzo E. Derchi, MD, Vikram S. Dogra, MD and Alec J. Megibow, MD  
Moderators
- 1:30 p.m. Golf Tournament
- 6:30 – 7:15 p.m. Annual Awards Banquet Reception  
*Supported by E-Z-EM, Inc.*
- 7:30 – 11:00 p.m. Annual Awards Banquet

## Past Presidents – SGR

1971-1972	Richard H. Marshak, M.D.*
1972-1973	Alexander R. Margulis, M.D.
1973-1974	William B. Seaman, M.D.
1974-1975	H. Joachim Burhenne, M.D.*
1975-1976	Sidney W. Nelson, M.D.*
1976-1977	John R. Amberg, M.D.
1977-1978	Walter M. Whitehouse, M.D.*
1978-1979	Martin W. Donner, M.D.*
1979-1980	Robert N. Berk, M.D.
1980-1981	Joseph T. Ferrucci, Jr., M.D.
1981-1982	Edward B. Singleton, M.D.
1982-1983	Harley C. Carlson, M.D.
1983-1984	Henry I. Goldberg, M.D.*
1984-1985	Igor Laufer, M.D.
1986-1987	Reed P. Rice, M.D.*
1987-1988	Roger K. Harned, M.D.
1988-1989	Thomas C. Beneventano, M.D.*
1989-1990	George R. Leopold, M.D.
1990-1991	Edward T. Stewart, M.D.
1991-1992	Albert A. Moss, M.D.
1992-1993	Charles A. Rohrmann, Jr., M.D.
1993-1994	David W. Gelfand, M.D.
1994-1995	William M. Thompson, M.D.
1995-1996	Bronwyn Jones, M.D.
1996-1997	Patrick C. Freeny, M.D.
1997-1998	Giles W. Stevenson, M.D.
1998-1999	Emil J. Balthazar, M.D.
1999-2000	David H. Stephens, M.D.
2000-2001	Eric vanSonnenberg, M.D.
2001-2002	William W. Olmsted, M.D.
2002-2003	Susan D. Wall, M.D.
2003-2004	Marc S. Levine, M.D.
2004-2005	Dennis M. Balfe, M.D.
2005-2006	Pablo R. Ros, M.D.
2006-2007	Michael P. Federle, M.D.

\*Deceased

## Past Presidents – SUR

1972-1974	Joshua A. Becker, M.D.
1975	Harry Z. Mellins, M.D.
1976	Morton A. Bosniak, M.D.
1977	John R. Thornbury, M.D.
1978	Lee B. Talner, M.D.
1979	Howard M. Pollack, M.D.*
1980-1981 *	Glenn Hartman, M.D.
1982	David M. Witten, M.D.
1983	Alan J. Davidson, M.D.
1984-1985	Richard C. Pfister, M.D.*
1986	Erich K. Lang, M.D.
1987-1988	Robert R. Hattery, M.D.
1989	Robert L. Lebowitz, M.D.
1990	Bruce L. McClennan, M.D.
1991-1992	N. Reed Dunnick, M.D.
1993	Robert J. Stanley, M.D.
1994	Jeffrey H. Newhouse, M.D.
1995	Bruce J. Hillman, M.D.
1996-1997	E. Stephen Amis, Jr., M.D.
1998	Richard L. Clark, M.D.
1999–2000	William H. Bush, Jr., M.D.
2000-2001	Carl M. Sandler, M.D.
2001-2002	Hedvig Hricak, M.D., Ph.D.
2002-2003	Hedvig Hricak, M.D., Ph.D.
2003-2004	Philip J. Kenney, M.D.
2004-2005	Peter L. Choyke, M.D.
2005-2006	John J. Cronan, M.D.
2006-2007	Richard H. Cohan, M.D.

\* Deceased

## Officers

### **The Society of Gastrointestinal Radiologists**

President	Michael P. Federle, M.D.
President-Elect	Richard L. Baron, M.D.
Secretary-Treasurer	Richard M. Gore, M.D.
Director-at-Large	Peter R. Mueller, M.D.
Director-at-Large	Jay P. Heiken, M.D.
Past President	Pablo R. Ros, M.D., MPH

### **The Society of Uroradiology**

President	Richard H. Cohan, M.D.
President-Elect	Nancy S. Curry, M.D.
Secretary-Treasurer	Raymond B. Dyer, M.D.
Director-in-Succession	James H. Ellis, M.D.
Director-in-Succession	Parvati Ramchandani, M.D.
Past President	John J. Cronan, M.D.

### **The European Society of Urogenital Radiology**

President	Sameh K. Morcos, M.D.
President-Elect	Bernd Hamm, M.D.
Secretary-Treasurer	Gertraud Heinz-Peer, M.D.
Member-at-Large	Jarl Jakobsen, M.D.
Past President	Lorenzo E. Derchi, M.D.

## **SUR New Horizons Lecturers**

2004	Farhang Rabbani, M.D
2005	Ralph V. Clayman, M.D.
2006	Lee B. Talner, M.D.
2007	Peter L. Choyke, M.D.
	Nicolas Grenier, M.D.

## SUR Gold Medalists

1996	Joshua A. Becker, M.D.
1997	Harry W. Fischer, M.D.
1998	Milton Elkin, M.D.
1998	Howard M. Pollack, M.D.*
2000	Morton A. Bosniak, M.D.
2000	Harry Z. Mellins, M.D.
2001	Alan J. Davidson, M.D.
2001	Richard M. Friedenber, M.D.
2003	David M. Witten, M.D.
2004	Richard C. Pfister, M.D.* ( <i>posthumously</i> )
2005	Robert R. Hattery, Jr., M.D.
2005	John R. Thornbury, M.D.
2006	Lee B. Talner, M.D.
2007	Robert L. Lebowitz, M.D.

\* Deceased

## SGR Walter B. Cannon Lecturers

1972	Horace W. Davenport, M.D.
1973	C. F. Code, M.D.
1974	J. E. Dunphy, M.D.
1975	R. M. Zollinger, M.D.
1976	Wylie J. Dodds, M.D.
1977	S. C. Sommers, M.D.
1978	M. H. Sleisenger, M.D.
1979	J. S. Fordtran, M.D.
1980	H. M. Spiro, M.D.
1981	B. C. Morson, M.D.
1982	M. A. Adson, M.D.
1983	P. Cotton, M.D.
1984	L. W. Way, M.D.
1986	Dame S. Sherlock, M.D.
1987	T. E. Starzl, M.D., Ph.D.
1988	A. F. Hofmann, M.D.
1989	Prof. Dr. G. Paumgartner
1990	H. Worth Boyce, Jr., M.D.
1991	David M. Eddy, M.D., Ph.D.
1992	John H. C. Ranson, M.D.
1993	David F. Ransohoff, M.D.
1994	James C. Thompson, M.D.
1995	Walter J. Hogan, M.D.
1996	Donald O. Castell, M.D.
1997	Hans G. Beger, M.D.
1998	Professor Albert Baert
1999	Richard M. Friedenberg, M.D.
2000	Barry J. Marshall, MB, BS, FRACP
2001	Leslie H. Blumgart, M.D.
2002	Leslie H. Sobin, M.D.
2003	Alexander R. Margulis, M.D.
2004	Joel E. Richter, M.D., FACP, FACG
2005	Blair S. Lewis, M.D.
2006	William W. Olmsted, M.D.
2007	David A. Gellar, M.D.

## SGR Walter B. Cannon Medalists

1972	Richard H. Marshak, M.D.*
1973	Richard Schatzki, M.D.*
1974	J. Friman-Dahl, M.D.*
1977	Alexander R. Margulis, M.D.
1978	Bernard Wolf, M.D.* (posthumously)
1979	William B. Seaman, M.D.
1980	Roscoe E. Miller, M.D.*
1981	Sidney W. Nelson, M.D.*
1982	H. Joachim Burhenne, M.D.*
1983	Martin W. Donner, M.D.*
1984	Robert N. Berk, M.D.
1986	Hikoo Shirakabe, M.D.*
1987	John R. Amberg, M.D.
1988	Harley C. Carlson, M.D.
1989	Igor Laufer, M.D.
1990	Wylie J. Dodds, M.D.*
1991	Edward B. Singleton, M.D.
1992	Joseph T. Ferrucci, Jr., M.D.
1993	Morton A. Meyers, M.D.
1994	George R. Leopold, M.D.
1995	Gerald D. Dodd, Jr., M.D.
1996	Hans Herlinger, M.D.*
1997	Henry I. Goldberg, M.D.*
1998	Albert A. Moss, M.D.
1999	Stanley Baum, M.D.
2000	Edward T. Stewart, M.D.
2001	William M. Thompson, M.D.
2002	Patrick C. Freeny, M.D.
2003	Emil J. Balthazar, M.D.
2004	David H. Stephens, M.D.
2005	Charles A. Rohrmann, Jr. M.D.
2006	Giles W. Stevenson, M.D.
2007	Bronwyn Jones, M.D.

\* Deceased

## **SGR Richard H. Marshak Award**

2000-2001	Eric van Sonnenberg, M.D.
2001-2002	Eric van Sonnenberg, M.D.
2002-2003	Ellen Wolf, M.D.
2003-2004	Sharlene Teefey, M.D.
2004-2005	Robert Halvorsen, M.D.
2005-2006	Dean D. T. Maglinte, M.D.
2006-2007	Giovanna Casola, M.D.

## **SGR Visiting Professors**

1999	Jay P. Heiken, M.D.
2000	Gerald D. Dodd, III, M.D.
2001	Ann S. Fulcher, M.D.
2002	Mary T. Keogan, M.D.
2003	Jonathan Kruskal, M.D.
2005	Michael Macari, M.D.
2006	Angela Levy, M.D.
2007	Judy Yee, M.D.

## SGR International Education Conference Faculty

- 1998 Guatemala  
SGR Faculty  
Emil J. Balthazar, MD  
C. Dan Johnson, MD  
Marc S. Levine, MD  
Edward T. Stewart, MD  
Gladys M. Torres, MD
- 1999 Peru  
SGR Faculty  
Emil J. Balthazar, MD  
Richard M. Gore, MD  
Jay P. Heiken, MD  
Pablo R. Ros, MD  
Edward T. Stewart, MD
- 2000 Chile  
SGR Faculty  
Richard L. Baron, MD  
Peter L. Cooperberg, MD  
Gerald D. Dodd, III, MD  
Richard M. Gore, MD  
Eric vanSonnenberg, MD
- 2001 Dominican Republic  
SGR Faculty  
Ann S. Fulcher, MD  
Bruce R. Javors, MD  
Jaime Tisnado, MD  
Eric vanSonnenberg, MD
- 2002 Ecuador  
SGR Faculty  
Kedar N. Chintapalli, MD  
Mary T. Keogan, MD  
Pablo R. Ros, MD  
Richard B. Towbin, MD  
Ellen L. Wolf, MD
- 2003 Uruguay  
SGR Faculty  
Kyunghee Cho, MD  
Jonathan Kruskal, MD  
Marc Levine, MD  
William Mayo-Smith, MD  
Sharlene Teefey, MD
- 2005 Mexico  
SGR Faculty  
Dennis Balfe, MD  
Robert Clark, MD  
Spencer Gay, MD  
Robert Halvorsen, MD  
Michael Macari, MD
- 2006 Brazil  
SGR Faculty  
Angela Levy, MD  
Brian Lucey, MD  
Dean D.T. Maglinte, MD  
Pablo Ros, MD  
Benjamin Yeh, MD
- 2007 Argentina  
SGR Faculty  
Richard Baron, MD  
Giovanna Casola, MD  
Douglas Katz, MD  
Erik Paulson, MD  
Judy Yee, MD

## **Past Meeting Sites**

### **Abdominal Radiology Course 2000**

March 12 – 17, 2000

Hyatt Regency

Kauai, Hawaii

### **Abdominal Radiology Course 2001**

March 25 – 30, 2001

Marriott Camelback Inn & Resport

Scottsdale, Arizona

### **Abdominal Radiology Course 2002**

April 14 – 19, 2002

Hyatt Regency Grand Cypress

Orlando, Florida

### **Abdominal Radiology Course 2003**

February 16 – 21, 2003

Fiesta American Grand Coral Beach

Cancun, Mexico

### **Abdominal Radiology Course 2004**

March 7 – 12, 2004

Westin Kierland Resort & Spa

Scottsdale, Arizona

### **Abdominal Radiology Course 2005**

February 27 – March 4, 2005

Hyatt Regency Hill Country Resort & Spa

San Antonio, Texas

### **Abdominal Radiology Course 2006**

February 26 – March 3, 2006

Grand Hyatt Resort & Spa

Kauai, Hawaii

## **Future Meeting Site**

### **Abdominal Radiology Course 2008**

February 17 – 22, 2008

The Westin Mission Hills Resort & Spa

Rancho Mirage, California

## **Abdominal Radiology Course 2007 Evaluation Forms**

In accordance with the ACCME Standards for Commercial Support the speakers for this course have been asked to disclose to participants any significant relationships with commercial entities that are either providing financial support for this program or whose products or services may be mentioned during their presentation. Please consult the Disclosure page in the syllabus for a complete listing of disclosures made.

### **Off-Label Disclosure**

Faculty members are required to inform the audience when they are discussing off-label or unapproved uses of devices or drugs. Devices or drugs that are still undergoing clinical trials should be identified as such and should not be portrayed as standard, accepted therapy. In weighing the benefits of treatment against the risks, clinicians should be guided by clinical judgment. Any procedures, medications or treatments discussed in this program should not be used by clinicians without evaluation of their patients' conditions or possible contraindications or dangers in use, review of applicable product information and comparison with recommendations of other authorities.

### **Program Objectives**

At the conclusion of the Course, registrants should be able to:

1. Apply the most up-to-date information to diagnosis and intervention within the field of abdominal radiology.
2. Apply state-of-the-art techniques of CT, MR, US and PET in abdominal radiology.
3. Recognize and identify normal structures and pathological processes in the abdomen, pelvis, and retroperitoneum to provide a more knowledgeable consultation to the clinician and patient.
4. Understand the newest topics and results in clinical research in abdominal radiology.

### **Program Objective Results** *(Please check all that apply.)*

- Met stated objectives
- Is relevant to my practice of medicine
- Will improve my ability to provide excellent patient care
- Was free of commercial bias
- No comment

Comments:

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**The Program was:**

- Excellent
- Very Good
- Good
- Fair
- Poor

Comments:

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**The audiovisual arrangements were:**

- Excellent
- Very Good
- Good
- Fair to Poor

Comments:

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**The handouts/syllabus were:**

- Excellent
- Very Good
- Good
- Fair to Poor

Comments:

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**What information or techniques did you acquire that you plan to use on the job?**

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**The best feature of the program was:**

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**The worst feature of the program was:**

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**Please list faculty whose presentations you found particularly good or useful for your practice and any helpful comments:**

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**Please list faculty whose presentations you found particularly ineffective and any helpful comments:**

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**Did you perceive any commercial bias in the sessions?**       Yes       No

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**What topics would you recommend be included in future educational program planning?**

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**Please list topics from this program that you do not feel should be repeated in the next ARC course and explain why:**

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**General Comments**

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**What factors played a significant part in your decision to attend this course? (Check all that apply.)**

- Location of the meeting
- Dates of the meeting
- Educational program
- Course faculty
- Meeting of the SUR
- Meeting of the SGR
- Meeting of the ESUR
- Other

**Please return this form to the Meeting Registration Desk at the completion of the program.**

## Notes

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