



**GENERAL THORACIC
SURGICAL CLUB**

TWENTY-EIGHTH
ANNUAL MEETING

MARCH 12-15, 2015



Naples Grande Beach Resort
Naples Florida

ACKNOWLEDGEMENTS

Thank You To Our Exhibitors

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Administrative Office

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Dennis Wigle
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Stephen Yang
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ACCREDITATION

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of The Society of Thoracic Surgeons and General Thoracic Surgical Club. The Society of Thoracic Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

The Society of Thoracic Surgeons designates this live activity for a maximum of 13.50 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

To qualify for CME credit, physicians must complete the survey and claim their CME hours using the link available on the GTSC website (www.gtsc.org)

For information regarding CME credits following this meeting, please contact Shilpa Srikakolapu, CME Compliance Coordinator at the Society of Thoracic Surgeons Office at ssrikakolapu@sts.org or 312-202-5834.

See Disclosure Directory located at the back of the program book.

GTSC 28TH ANNUAL MEETING OVERALL LEARNING OBJECTIVES

Upon completion of this activity, participants should be able to:

1. Discuss new technology including tissue regeneration and 3D printing.
2. Evaluate the various technical aspects of robotic lobectomy, minimally invasive thymectomy and the use of plating devices for chest wall reconstruction.
3. Summarize new technology in thoracic surgery for esophageal disease.
4. Discuss alternative methods of caring and treating patients with complicated and controversial thoracic diseases.
5. Explain and discuss electronic textbooks, artificial organs and the use of MRI in lung disease.

GTSC 28TH ANNUAL MEETING

SESSION LEARNING OBJECTIVES

Overall

- To provide a forum for general thoracic surgeons to learn the most up-to-date information on research, patient care, pathophysiology, surgical techniques and educational methods to maintain the optimum surgical care of general thoracic patients.

Ginsberg Clinical Trials

- These activities are designed to facilitate improved competence and patient outcomes. The format is short presentations followed by discussion and a segment of audience feedback by electronic voting (audience response system).

Sessions I thru IV

- These activities are designed to facilitate improved competence, performance-in-practice and patient outcomes. The format is didactic lectures with extensive discussion after each session.

Super Bowl of X-Rays

- This activity is designed to facilitate improved competence in performance-in-practice and improved patient outcomes. The format is case studies via presentation of patients with unusual radiographic findings and a contest between teams to make the proper diagnosis and treatment.

DESIRABLE PHYSICIAN ATTRIBUTES

The speakers will present ideas for patient care that are compassionate and appropriate to treat patients. By attending, participants will increase their medical knowledge of evolving biomedical, clinical and cognate sciences and be able to apply this knowledge to patient care. The activity will teach attendees how to appraise scientific information and improve their practices. The discussion sessions will allow practice and improvement in communication skills among professionals and work effectively as a member or leader of a health care team. The lectures on health care reform will demonstrate how thoracic surgeons fit into the larger context of medicine. Attendees will learn how to investigate and evaluate their care of patients, appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and life-long learning. They will be able to demonstrate a commitment to carrying out professional responsibilities and an adherence to ethical principles. Participant learners are expected to understand the larger context and system of health care, as well as the ability to call effectively on other resources in the system to provide optimal health care.

SCHEDULE OF EVENTS

28th ANNUAL MEETING GENERAL THORACIC SURGICAL CLUB

Thursday, March 12, 2015

Robert. J. Ginsberg Clinical Trials**

Royal Palm 4 & 5

(casual attire)

- 7:30 a.m.** **Continental Breakfast**
*(Clinical Trials
Attendees Only)*
- 8:00 a.m.** **Introduction and Format
Overview****
Dennis Wigle
- 8:10 a.m.** **ACS Surgical Standards
Manual/ACS COC – 10
lymph nodes – Are you
kidding?**
*Nirmal Veeramachaneni
Rishi Reddy*
- 8:30 a.m.** **Cooperative Group
Trials “The Menu”
Format overview - Lung,
Esophagus,**
- Other** **RTOG – Gail Darling
NCIC - Gail Darling
Alliance – Dennis Wigle/
Linda Martin
ECOG/ACRIN – TBD
SWOG – Steve Swisher**
- 10:00 – 10:20 a.m.** **Break**
- 10:20 a.m.** **New Concepts for
Presentation****

Thursday, March 12, 2015 (con't)

11:15 a.m. **Single-Multi-institutional/
Non-cooperative Group
Trials/other****

**Rapid fire concept evaluation with audience response system

NOON **Wrap-up and Adjourn**

1:00 – 8:00 p.m. **Registration Desk Open**
Royal Palm Foyer

7:00 – 10:00 p.m. **Welcome Reception**
Mangrove Pool
(casual attire)

Friday, March 13

7:00 a.m. – Noon **GTSC Hospitality Desk
Open**
Royal Palm Foyer

7:00 – 9:00 a.m. **Breakfast**
Sunset Deck

8:00 – Noon **Exhibits and Posters**
Royal Palm 1 - 3

8:00 – Noon **Scientific Session**
Royal Palm 4 & 5
(casual attire)

8:00 – 8:05 a.m. **Introduction/
Announcements**

NEW TECHNOLOGIES

Moderator: Ara Vaporciyan

8:05 – 8:35 a.m. **Tissue Regeneration**
Harald Ott

8:35 – 9:05 a.m. **3D Printing**
Jane Matsumoto

Friday, March 13 (con't)

**9:05 – 9:25 a.m. Methods for Finding
and Ablating Lung
Nodules**
Faiz Bhora

9:25 – 10:00 a.m. Discussion

10:00 – 10:30 a.m. Break
Royal Palm 1 - 3

HOW I DO IT

Moderator: Jessica Donington

10:30 - 10:40 a.m. Robotic Lobectomy
Robert Cerfolio

**10:40 – 10:50 a.m. Minimally Invasive
Thymectomy**
Brian Louie

**10:50 – 11:00 a.m. Chest Wall
Reconstruction Using
Plating Devices**
Rose Ganim

**11: 00 – 11:10 a.m. Ivor Lewis
Esophagectomy**
Manjit Bains

11:10 – NOON Discussion

NOON Lunch
Sunset Deck

NOON Golf Tournament
(confirm participation
Thursday
at GTSC Registration Desk-
box lunches provided)

Friday, March 13 (con't)

EVENING SESSION

- 5:30 – 7:00 p.m. Clinical Management Panels**
Royal Palm 4 & 5
Moderator: Dennis Wigle
(casual attire)
Case #1: Benign Esophagus
Case #2: Pulmonary Nodule
Case #3: Locally Advanced NSCLC
- 6:00 – 10:00 p.m. Children's Program**
Acacia 4 - 6
(please sign-up at GTSC
Registration Desk)
- 7:00 – 10:00 p.m. Dinner**
Vista Ballroom
(casual attire)

Saturday, March 14

- 6:20 a.m. – Noon GTSC Hospitality Desk Open**
Royal Palm Foyer
- 6:30 a.m. Fun Run**
(sign-up at GTSC Registration Desk)
- 7:00 – 9:00 a.m. Breakfast**
Vista Ballroom
- 8:00 – Noon Exhibits and Posters**
Royal Palm 1 - 3
- 7:55 a.m. – Noon SCIENTIFIC SESSION**
Royal Palm 4 & 5
(casual attire)
- 7:55 – 8:00 a.m. Introduction/
Announcements**

Saturday, March 14 (con't)

8:00 – 8:30 a.m. Abstract Presentations
*Moderator: Richard
Freeman (5 minute presentation,
5 minute discussion)*

Stratification of Resectable,
Early Stage Lung
Adenocarcinoma Using a
Combined Molecular and
Pathological Risk Estimator
Kraig Yager

Venous Thromboembolism
Prophylaxis for
Esophagectomy: An
International Survey of
Practice Patterns Among
Thoracic Surgeons
Brittany Zwischenberger

Intraoperative
Extracorporeal Membrane
Oxygenation (ECMO)
as a Means of Support in
General Thoracic Surgical
Procedures
David Odell

NEW TECHNOLOGIES (CON'T)

Moderator: Gail Darling

8:30 – 9:00 a.m. Artificial Organs
Harald Ott

**9:00 – 9:30 a.m. Magnetic Resonant
Imaging of the Lung**
Jane Matsumoto

9:30 – 10:00 a.m. Discussion

10:00 – 10:15 a.m. Break
Royal Palm 1 - 3

Saturday, March 14 (con't)

POTPOURRI

Moderator: Rose Ganim

10:15 – 10:35 a.m. ***The Annals of Thoracic Surgery: The Future of the Journal***
Alec Patterson

10:35 – 10:55 a.m. **Wiki Textbook vs Paper Textbook**
Ara Vaporciyan

10:55 – 11:15 a.m. **Wiki Textbook vs Paper Textbook**
Rick Feins

11:15 – 11:35 a.m. **DISCUSSION**

11:35 – NOON **BUSINESS MEETING**

NOON **Lunch**
Sunset Deck

1:00 p.m. **Photography 101 with David Meardon**
Acacia 1 – 2

EVENING SESSION

Royal Palm 4 & 5

5:30 – 7:00 p.m. **Super Bowl of X-Rays****
Richard Freeman/Fred Weber/John Mitchell

**Audience response system

6:00 – 10:00 p.m. **Children's program**
Acacia 4 - 6
(please sign up at GTSC Registration Desk)

Saturday, March 14 (con't)

7:00 p.m. **Champagne Reception**
Orchid Foyer

7:30 p.m. **Gala Dinner and Awards**
Orchid Ballroom
(semi-formal)

Sunday, March 15, 2014

7:00 – 10:00 a.m. **Breakfast**
Orchid Ballroom

Coffee and rolls are available beginning at 5:30 a.m. in the Reception Center for those members who are on their way prior to breakfast.

We hope that you enjoyed the 28th Annual Meeting and hope to see you next year at the Hilton El Conquistador Golf & Tennis Club in Tucson, Arizona

Peter C. Pairolero
Scholarship Award Recipients

Dr. Leah Backhus – 2008
Dr. Bryan Whitson – 2009
Dr. James Harris – 2010
Dr. Mara Antonoff – 2011
Dr. Ryan Macke – 2012
Dr. Shawn S. Groth – 2013
Dr. Gary Schwartz – 2014
Dr. Loretta Erhunmwunsee - 2015

Future Meetings

March 10 – 13, 2016
Hilton El Conquistador Golf & Tennis Club
Tucson, Arizona

March 9 – 12, 2017
Hilton Clearwater Beach
Clearwater, Florida

March 8 – 11, 2018
The Ritz-Carlton, Dove Mountain
Marana, Arizona

March 7 – 10, 2019
Naples Grande Beach Resort
Naples, Florida

PAST MEETINGS

Mission Hills Resort - 1988
Rancho Mirage, California

La Quinta Hotel Golf & Tennis Resort - 1989
La Quinta, California

Marriott's Rancho Las Palmas
Resort & Country Club - 1990
Rancho Mirage, California

South Seas Plantation Resort & Yacht Harbour - 1991
Captiva Island, Florida

South Seas Plantation Resort & Yacht Harbour - 1992
Captiva Island, Florida

South Seas Plantation Resort & Yacht Harbour - 1993
Captiva Island, Florida

The Pointe Hilton Resort on South Mountain - 1994
Phoenix, Arizona

South Seas Plantation Resort & Yacht Harbour - 1995
Captiva Island, Florida

La Quinta Hotel Golf & Tennis Resort - 1996
La Quinta, California

South Seas Plantation Resort & Yacht Harbour - 1997
Captiva Island, Florida

La Costa Resort and Spa - 1998
Carlsbad, California

Radisson Suite Beach Resort – 1999
Marco Island, Florida

Sheraton El Conquistador Resort & Country Club -
2000
Tucson, Arizona

PAST MEETINGS (con't)

South Seas Plantation Resort & Yacht Harbour - 2001
Captiva Island, Florida

Sheraton El Conquistador Resort & Country Club -
2002
Tucson, Arizona

The Registry Resort - 2003
Naples, Florida

The Wigwam Resort - 2004
Litchfield Park, Arizona

The Registry Resort - 2005
Naples, Florida

Hilton El Conquistador Resort & Country Club -
2006
Tucson, Arizona

South Seas Resort - 2007
Captiva Island, Florida

Rancho Bernardo Inn - 2008
San Diego, California

The Don CeSar - 2009
St. Pete Beach, Florida

La Costa Resort & Spa - 2010
Carlsbad, California

South Seas Resort – 2011
Captiva Island, Florida

Rancho Bernardo Inn – 2012
San Diego, California

Waldorf Astoria – 2013
Naples, Florida

Wigwam Golf Resort & Spa - 2014
Litchfield Park, Arizona

PLANNING COMMITTEE DISCLOSURES

Unless otherwise noted, Planning Committee members have nothing to disclose.

(Information current at time of printing on 2/20/2015)

Mark Allen

(Nonremunerative Position of Influence: STS
President; JCTSE Board Chair; TSFRE Board
Member

Ownership Interest: Medtronic)

Gail Darling

Jessica Donington

(Consultant/Advisory Board KLC Consulting, Inc.)

Hiran Chrish Fernando

(Consultant/Advisory Board: GALIL/CSA Medical)

Rose Ganim

Bonnie Lemmerman

Carla MacLean

Damon Marquis

(Ownership Interest: Johnson & Johnson;
Medtronic, GE; Pfizer)

M. Blair Marshall

(Consultant/Advisory Board: Elsevier; Ethicon;

Clinical Key

Other – Thoracic Surgery Clinic - Elsevier)

Frank Nichols

Peter Pairolero

Victor Trastek

Ara Vaporciyan

Dennis Wigle

Stephen Yang

SPEAKER/MODERATOR DISCLOSURES

Unless otherwise noted, speakers/moderators have nothing to disclose.

(Information current at time of printing on 2/20/2015)

Manjit Bains

Faiz Bhora

(Other Research Support – TEI Biosciences

Ownership Interest – Merit Endoteck

Consultant/Advisory Board – Boston Scientific;

CSA Medical) Robert Cerfolio

(Consultant/Advisory Board – Covidien;

Community Health Systems; BARD/Davol

Other – Intuitive; Ethicon)

Gail Darling

Richard Feins

(Other – Shields Textbook of Thoracic Surgery)

Richard Freeman, Rose Ganim, Brian Louie

(Other – Intuitive Surgical)

M. Blair Marshall

(Consultant/Advisory Board: Elsevier; Ethicon;

Clinical Key

Other – Thoracic Surgery Clinic - Elsevier)

Linda Martin

Jane Matsumoto

John Mitchell

(Consultant/Advisory Board – Covidien;

MAQUET Cardiovascular)

David Odell

Harold Ott

Alexander Patterson

Rishindra Reddy

(Research Grant – Glaxo-Smith Kline; Blue Cross

Blue Shield

Speakers Bureau/Honoraria – Covidien; Intuitive)

Stephen Swisher

(Consultant/Advisory Board – GlaxoSmithKline)

Ara Vaporciyan

Nirmal Veeramachaneni

Fred Weber

Dennis Wigle

Kraig Yager

Brittany Zwischenberger

Early History of the General Thoracic Surgical Club

In July 1984, Victor Trastek joined Peter Pairolero as a consultant in general thoracic surgery (GTS) at Mayo Clinic in Rochester, Minnesota. Trastek had just returned from a fellowship in thoracic surgery at Toronto General Hospital. Together, Trastek and Pairolero developed a "Table of Organization" for GTS at Mayo Clinic. A footnote of this local reorganization was the need for a national conference dedicated to GTS.

In January 1985, the 21st Annual Meeting of The Society of Thoracic Surgeons (STS) was held in Toronto. The meeting occurred over two-and-a-half days and consisted of five general plenary sessions with a total of 43 presentations--33 cardiac and 8 thoracic (18.6%). This limited number of GTS presentations was quite common at the annual meetings of both the STS and the American Association for Thoracic Surgery (AATS) in the 1980s. Clearly, these few presentations did not meet the needs of general thoracic (GT) surgeons.

In March 1985, Thomas DeMeester and Peter Pairolero discussed the need for an annual meeting dedicated to GTS. DeMeester suggested a regional meeting in the central-northeast section of the United States patterned after the Southern and Western Thoracic Surgical Associations. Other GT surgeons were queried; while most were enthusiastic, a few were not in favor of such an endeavor.

In April 1986, Robert Ginsberg, Thomas Todd, and Victor Trastek met at the International Stapling Symposium in Pittsburgh to discuss the creation of a general thoracic surgical meeting with the objectives being a forum for clinical surgery, research, and education. They proposed the name "General Thoracic Surgical Club". They developed a timetable that would result in the first meeting occurring during the third week of January 1988.

The meetings were “to alternate between summer and winter locations that provide a good social atmosphere for having fun.” Todd agreed to develop bylaws, Ginsberg the program, and Trastek to arrange logistics and serve as secretary.

In May 1986, Todd delivered the bylaws with the name General Thoracic Surgical Club (GTSC). The organization would have a president and secretary/treasurer. Only board-certified surgeons whose practice consisted of at least 50% GTS were eligible for membership. Members would be required to pay dues and participate in the annual meetings. The club would have three committees: program, membership, and education.

In July 1986, Jean Deslauriers and Robert Ginsberg proposed four meeting objectives that included improving the quality of clinical surgery, establishing a forum for basic and clinical research, developing standards for GTS training, and encouraging international participation. They also proposed a two-and-a-half day meeting with two half-day scientific sessions that included four symposia--three clinical and one resident education.

In August 1986, Deslauriers, Ginsberg, Pairolero, and Trastek met to select ten GT surgeons to serve on a steering committee that would meet at the American College of Surgeons meeting in New Orleans. Thomas DeMeester, Jean Deslauriers, Pen Faber, Robert Ginsberg, E. Carmack Holmes, Joseph Miller, Gordon Murray, Peter Pairolero, Thomas Todd, and Victor Trastek were asked to serve. The steering committee met on October 21, 1989, at the Elmwood Room in the Hilton Hotel in New Orleans. Almost immediately, the proposed name of the organization as a club became controversial. After a long discussion no resolution could be reached and the issue was tabled. The group went on to recommend that the organization should have five committees (membership, program, education, legal, and nominating) and that membership should

be limited to 200. Meetings were to be held in small resorts and were to alternate between summer and winter. The group unanimously decided that all presentations were to be made by surgeons and not by residents.

In January 1987, 22 GT surgeons, including Hermes Grillo, who was STS President that year, attended an organizational GTS meeting at the Loews Anatole Hotel in Dallas. The group consensus now was that the organization should be a club. January 1988 was selected as the first meeting date and Camelback Mountain Resort in Phoenix was selected as the site (later it became apparent that the club could not afford Camelback's rates and Mission Hills in Rancho Mirage was eventually selected instead).

In April 1987, 14 GT surgeons met at the Como Inn in Chicago during the 1987 Annual Meeting of the AATS. The group decided that the first meeting would be limited to 75 members. Dues were set at \$300, and William Nelems was the first surgeon to submit dues.

In September 1987, Robert Ginsberg, Martin McNeally, Joseph Miller, Peter Pairolero, Thomas Todd, and Victor Trastek met at the annual meeting of the STS in Toronto. Fifty-nine members had already registered for the first meeting. The scientific program organized by Ginsberg was approved. The social program was also organized and consisted of a welcome party on Thursday, golf on Friday afternoon, a fun run Saturday morning, and tennis on Saturday afternoon. Vendor sponsorship was also approved, and by October four vendors had agreed to sponsor the 1988 meeting.

The First Annual Meeting of the GTSC was held in Rancho Mirage on January 22-24, 1988. Ginsberg, McKneally, Miller, Pairolero, Todd, and Trastek were approved as the first Executive Committee members. Ginsberg also arranged for the Executive Committee of the Lung Cancer Study Group to

meet the day before the first GTSC Annual Meeting. This pre-meeting combined with the first scientific session that dealt with the neoadjuvant treatment for stage III lung cancer was the beginning of what was in later years to become the “Robert J. Ginsberg Clinical Trials.”

At the Tenth Annual Meeting of the GTSC Jean Deslauriers, Robert Ginsberg, Joseph Miller, Peter Pairolero, Thomas Todd, and Victor Trastek were recognized as the Founding Members of the General Thoracic Surgical Club.

Notes

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