

2009 SSO Annual Cancer Symposium

Wednesday, March 4th

Demystifying Genetic Testing

Moderator: David C. Linehan

Genetic Testing in Hereditary Breast Cancer

Presented by: Kevin S. Hughes, MD, Surgical Director, Breast Screening Co-Director, Avon Comprehensive Breast Evaluation Center Massachusetts General Hospital Boston, MA

Genetic Testing in Hereditary Colorectal Cancer

Presented by: James M. Church, MD, Director, David G. Jagelman Inherited Colorectal Cancer Registries Victor Fazio Chair in Colorectal Surgery Colorectal Surgery Department Cleveland Clinic Cleveland, OH

Genetic Testing to Predict Response and Toxicity of Systemic Chemotherapy

Presented by: Howard L. McLeod, PharmD, Director, UNC Institute for Pharmacogenomics & Individualized Therapy University of North Carolina Chapel Hill, NC

Thursday, March 5th

The Primary Tumor in Metastatic Breast Cancer: Biological Questions and Clinical Implications

Moderator: Julie A. Margenthaler, MD

The Changing Clinical Course of Metastatic Breast Cancer

Presented by: Gabriel Hortobagyi, MD, Professor and Chairman Nellie B. Connally Chair in Breast Cancer Department of Breast Medical Oncology Director, Breast Cancer Research Program University of Texas, MD Anderson Cancer Center Houston, TX

The Interplay Between Local and Systemic Therapy for Breast Cancer

Presented by: Monica Morrow, MD, Chief of Breast Service Department of Surgery Anne Burnett Windfohr Chair of Clinical Oncology Memorial Sloan-Kettering Cancer Center New York, NY

What to do About the Primary Tumor in Stage IV Breast Cancer?

Presented by: Seema A. Khan, MD, Bluhm Family Research Professor of Breast Cancer Northwestern University Chicago, IL

Evidence-Based Follow-up in the Cancer Patient

Moderator: Dennis L. Rousseau, MD

Evidence-Based Follow-up for the Breast Cancer Patient

Presented by: Kelly K. Hunt, MD, Professor of Surgery Chief, Surgical Breast Section Department of Surgical Oncology University of Texas, MD Anderson Cancer Center Houston, TX

Evidence-Based Follow-up of the Colorectal Cancer Patient

Presented by: Morton S. Kahlenberg, MD, Medical Director Surgical Oncology Associates of South Texas San Antonio, TX

Evidence-Based Follow-up of the Melanoma Patient

Presented by: Jeffrey E. Gershenwald, MD, Professor of Surgery and Cancer Biology Depts. Of Surgical Oncology and Cancer Biology University of Texas, MD Anderson Cancer Center Houston, TX

Evidence-Based Follow-up of the Pancreatic Cancer Patient

Presented by: Michael A. Choti, MD, Professor of Surgery and Oncology Chief, Handelsman Division of Surgical Oncology Johns Hopkins Sidney Kimmel Cancer Center Baltimore, MD

Evidence-Based Follow-up of Patients with Primary and Metastatic Liver Malignancy

Presented by: Bryan Clary, MD, Associate Professor of Surgery Chief, HPB and Oncologic Surgery Duke University Medical Center Durham, NC

Evidence-Based Follow-up in the Cancer Patient

Question and Answer Session

Novel Applications of Radiotherapy in Oncologic Care: Updates for the Surgical Oncologist

Moderator: Hong Jin Kim, MD

Overview of Direction in Radiation Oncology, Selective Radiation Fields including IOERT in GI Malignancies and Soft Tissue Sarcomas

Presented by: Leonard L. Gunderson, MD, Getz Family Professor and Consultant Department of Radiation Oncology Mayo Clinic Cancer Center Scottsdale, AZ

ELIOT in Breast Cancer: The Milan Experience

Presented by: Giovanni Battista Ivaldi, MD

Recent Advances in Biologic Therapy and Radiosensitization

Presented by: Leonard L. Gunderson, MD, Getz Family Professor and Consultant Department of Radiation Oncology Mayo Clinic Cancer Center Scottsdale, AZ

Novel Applications of Radiotherapy in Oncologic Care: Updates for the Surgical Oncologist

Question and Answer Session

The Art and Science of Palliation in the Cancer Patient

Moderator: David P. Jaques, MD

Case Presentation

Presented by: Murray F. Brennan, MD, Benno C. Schmidt Chair in Clinical Oncology Memorial Sloan-Kettering Cancer Center New York, NY

Daniel G. Coit, MD, Attending Surgeon Memorial Sloan-Kettering Cancer Center Professor of Surgery Weill-Cornell Medical College New York, NY

Thomas J. Miner, MD, Assistant Professor of Surgery Director of Surgical Oncology Associate Residency Program Director The Warren Alpert Medical School of Brown University Rhode Island Hospital Providence, RI

Nanotechnology for Cancer Imaging, Diagnosis, and Therapy: Small Size is Making a Big Impact
Moderator: Stephen R. Grobmyer, MD

Physical Sciences and Nanotechnology - New Oncology Frontiers
Presented by: John E. Niederhuber, MD, Director, National Cancer Institute Bethesda, MD

Overview of the NCI Programs in Cancer Nanotechnology
Presented by: Piotr Grodzinski, PhD, Director, Nanotechnology for Cancer Programs National Cancer Institute Bethesda, MD

Nanotechnology for siRNA Delivery
Presented by: Mark E. Davis, PhD, Warren and Katharine Schlinger Professor of Chemical Engineering California Institute of Technology Pasadena, CA

Nanoparticles for Cancer Diagnosis and Imaging
Presented by: Shuming Nie, PhD, Wallace H. Coulter Distinguished Faculty Chair in Biomedical Engineering Director of Emory-Georgia Tech Cancer Nanotechnology Center Professor BME, Chemistry, MSE, Hematology and Oncology Emory University School of Medicine Atlanta, GA

Gold Nanoparticles for Human Cancer Therapy
Presented by: Steven K. Libutti, MD, Senior Investigator Head, Tumor Angiogenesis Section, Surgery Branch Center for Cancer Research National Cancer Institute Bethesda, MD

American Board Certification in Surgical Oncology: Are We Almost There?
Moderator: Fabrizio Michelassi, MD and Syed A. Ahmad, MD

The American Board of Surgery: Overview of Certification
Presented by: Russell Postier, MD, John A. Schilling Professor and Chair The University of Oklahoma Oklahoma City, OK

Necessary Steps in Acquiring Certification: The ACGME perspective

Presented by: Tim Flynn, MD, Professor and Associate Dean The University of Florida Gainesville, FL

The Perspective of the American College of Surgeons

Presented by: L D. Britt, MD, Brickhouse Professor of Surgery and Chairman Eastern Virginia Medical School Norfolk, VA

The Role of the Surgical Oncology Advisory Council (SOAC) of the American Board of Surgery

Presented by: Carlos A. Pellegrini, MD, Carlos A. Pellegrini, MD Henry N. Harkins Professor and Chair Department of Surgery University of Washington, Seattle, WA

Impact of the Certification in Surgical Oncology on General Surgery

Presented by: Joe Cofer, MD, Professor of Surgery Residency Program Director University of Tennessee College of Medicine Chattanooga, TN

Privileges: Who Should Do What?

Presented by: Barbara Lee. Bass, MD, John F. and Carolyn Bookout Distinguished Endowed Chair Department of Surgery The Methodist Hospital Houston, TX Professor of Surgery Weill-Cornell Medical College New York, NY

Advice from Vascular Surgery: A Road Already Traveled

Presented by: Jack Cronenwett, MD, Vascular Surgery Dartmouth-Hitchcock Medical Center Lebanon, NH

American Board Certification in Surgical Oncology: Are We Almost There?

Question and Answer Session

Biomarkers and Personalized Treatment in Cancer Care

Moderator: Timothy J. Yeatman, MD

Molecular Predictors of Response in Breast Cancer: Towards Individualized Therapy

Presented by: Anil Potti, MD, Institute for Genome Sciences and Policy Division of Medical Oncology Duke University Durham, NC

Molecular Profiling of Colon Tumors

Presented by: Manny Bacolod, PhD, Weill Cornell Medical College New York, NY

Shotgun Proteomics for Biomarker Discovery in Colon Cancers and Precancers

Presented by: Daniel C. Liebler, MD, Director, Jim Ayers Institute for Precancer Detection and Diagnosis Professor of Biochemistry, Pharmacology and Biomedical Informatics Vanderbilt University School of Medicine Nashville, TN

Lung Cancer Molecular Predictors of Prognosis and Response: A Multi-center Study

Presented by: David Beer, MD, Professor of Surgery, Section of Thoracic Surgery Professor of Radiation Oncology, Dept. of Radiation Oncology University of Michigan

Great Debates in Surgical Oncology

Moderator: John A. Olson, Jr., MD, PhD and Peter M. Naredi, MD

Breast MRI for Locoregional Staging and Surgical Management of Breast Cancer

PRO: Christiane Kuhl, MD, Professor Vice Chairman, Department of Radiology Section Chief, Division of Oncologic Imaging and Interventional Therapy Department of Radiology University of Bonn Bonn, Germany

CON: Monica Morrow, MD, Chief of Breast Service Department of Surgery Anne Burnett Windfohr Chair of Clinical Oncology Memorial Sloan-Kettering Cancer Center New York, NY

Completion Lymphadenectomy for Melanoma Metastasis to Sentinel Lymph Nodes

PRO: Merrick I. Ross, MD, Professor of Surgery, Chief, Melanoma Section University of Texas MD Anderson Cancer Center Houston, TX

CON: Alexander M.M. Eggermont, MD, PhD, Head, Department of Surgical Oncology Daniel Den Hoed Cancer Center Professor of Surgical Oncology Erasmus University Medical Center Rotterdam, The Netherlands

Postoperative Chemoradiation vs. Perioperative Chemotherapy for Adenocarcinoma of the Stomach

Surgery and Adjuvant Chemoradiation:

Chris Willett, MD, Professor and Chair Department of Radiation Oncology Duke University Durham, NC

Perioperative Chemotherapy:

Cornelis J.H. van de Velde, MD, President European Society of Surgical Oncology Professor of Surgery Leiden University Medical Center Leiden, The Netherlands

Emerging Therapeutic Approaches to Hepatocellular Carcinoma

Moderator: Timothy M. Pawlik, MD, MPH

Surgical Resection of Hepatocellular Carcinoma: Patient Selection, Pre-operative Considerations, and Operative Technique

Presented by: Jean-Nicolas Vauthey, MD, Division of Surgical Oncology University of Texas MD Anderson Cancer Center Houston, TX

Management of Early Hepatocellular Carcinoma: Transplantation, Resection or Ablation

Presented by: William R. Jarnagin, MD, Chief, Hepatopancreatobiliary Service Vice-Chairman,
Department of Surgery Memorial Sloan-Kettering Cancer Center New York, NY

Intra-Arterial Regional Therapy of Hepatocellular Carcinoma: Where Do We Stand?

Presented by: Jeffrey Geschwind, MD, Professor of Radiology, Surgery and Oncology Director, Vascular
and Interventional Radiology Johns Hopkins University School of Medicine Baltimore, MD

Systemic Treatment of Hepatocellular Carcinoma: Dawn of a New Era?

Presented by: Andrew X. Zhu, MD, PhD, Division of Medical Oncology Massachusetts General Hospital
Cancer Center Boston, MA

Accelerated Partial Breast Irradiation: Interdisciplinary Care

Moderator: Peter D. Beitsch, MD

Partial Breast Irradiation: Scientific Basis, Targeting, and Multicatheter Data

Presented by: Rakesh R. Patel, MD, Director of Breast and Prostate Brachytherapy Assistant Professor
Department of Human Oncology University of Wisconsin School of Medicine and Public Health Madison,
WI

American Society of Breast Surgeons Mammosite Registry and Current Trials

Presented by: Frank A. Vicini, MD, Chief of Oncology Clinical Professor Beaumont Cancer Institute Royal
Oak, MI

Intraoperative Radiation Treatment

Presented by: David W. Ollila, MD, Associate Professor of Surgery University of North Carolina Chapel
Hill, NC

Second Generation Devices, Electronic Brachytherapy and Coding and Reimbursement

Presented by: Mark A. Gittleman, MD, Medical Director, Breast Care Specialists, PC Allentown, PA

Friday, March 6th

Plenary Session I

Moderator: Fabrizio Michelassi, MD

Can We Eliminate Radiotherapy After Breast Conservation Therapy?-Results Of A Phase II Trial of eRFA

Presented by: V. Klimberg,* B.D. Badgwell, L.L. Adkins, M. Smith, S. Korourian. Surgery, University of
Arkansas for Medical Sciences, Little Rock, AR.

Zic1 Over Expression is Oncogenic in Dedifferentiated Liposarcoma

Presented by: E.R. Brill,* B. Laxa, M. Lagos-Quintana, P. DeCarolis, R. O'Connor, R. Gobble, C. Angeles, S. Singer. Surgery, Memorial Sloan- Kettering Cancer Center, New York, NY

The value of FDG-PET for hepatic surgery of colorectal liver metastases: a multicentre randomized clinical study

Presented by: T. Ruers,^{1*} B. Wiering,² P. Krabbe,² J. Van der Sijp,³ R. Roumen,⁴ K. De Jong,⁵ E. Comans,³ J. Pruim,⁵ H. Dekker,² W. Oijen.²

Targeting N-cadherin to Enhance Cytotoxicity of Melphalan in Regional Chemotherapy: Final Results of a Phase I Study of Systemic ADH-1 in Combination with Melphalan via Isolated Limb Infusion (M-ILI) in Patients (pts) with Locally Advanced In-transit

Presented by: G.M. Beasley,^{1*} N. McMahon,¹ G. Sanders,¹ C.K. Augustine,² P. Zipfel,² J. Padussis,¹ M.A. Selim,³ W. Petros,⁴ B. Peterson,⁵ M. Lawton,⁶ R. Norris,⁶ W.P. Peters,⁶ M.I. Ross,⁷ D.S. Tyler.¹

SSO Presidential Address

The War on Cancer: Shifting from Disappointment to Hope

Presented by: William G. Cance, MD Chair of Surgical Oncology Surgeon-in-Chief Roswell Park Cancer Institute Buffalo, NY

Plenary Session II

Moderator: Mitchell C. Posner, MD

Factors Associated with False-Negative Sentinel Lymph Node Biopsy in Melanoma Patients: Results from a Prospective Randomized Trial

Presented by: C.R. Scoggins,^{1*} R.C. Martin,¹ M.I. Ross,² M.J. Edwards,³ D.S. Reintgen,⁵ M.M. Urist,⁴ K.M. McMasters.¹

Radiofrequency ablation (RFA) combined with chemotherapy for unresectable colorectal liver metastases (CRC LM): Interim results of a randomised phase II study of the EORTC-NCRI CCSG-ALM

Intergroup 40004 (CLOCC)

Presented by: T. Ruers,^{1*} F. Van Coevorden,¹ J. Pierie,² I. Borel Rinkes,³ C. Punt,⁴ J. Ledermann,⁵ G. Poston,⁹ W. Bechstein,⁶ M. Lentz,⁸ M. Mauer,¹⁰ B. Nordlinger.⁷

Conservative Management of Breast Cancer in BRCA1/2 Mutation Carriers

Presented by: C.A. Garcia-Etienne,^{1*} M. Barile,² O.D. Gentilini,¹ E. Botteri,³ N. Rotmensz,³ G. Farante,¹ A. Luini,¹ B. Bonanni.²

Annual Heritage Presentation

Honoring John E. Niederhuber, MD SSO President 2001 - 2002

Presented by: Raphael E. Pollock, MD, PhD, Head, Division of Surgery Professor and Chairman
Department of Surgical Oncology University of Texas MD Anderson Cancer Center Houston, TX

American Cancer Society/SSO Basic Science Lecture

Genomic Medicine - Systems Medicine - the Future of Medicine

Presented by: Edison T. Liu, MD

Gastrointestinal Cancer

Moderators: Clifford S. Cho, MD and Chandrajit P. Raut, MD, MSc

Laparoscopic Left Pancreatectomy: Complication Risk Score Predicts Morbidity and Risk for Pancreatic Fistula

Presented by: S.M. Weber, 1* C.S. Cho, 1 D. Bentrem, 2 A. Nakeeb, 3 M. Schmidt, 3 N. Merchant, 4 A.A. Parikh, 4 R.C. Martin III, 5 C.R. Scoggins, 5 S. Ahmad, 6 H.J. Kim, 7 N. Hamilton, 8 W. Hawkins, 8 D.A. Kooby, 9

Prognostic impact of RT-PCR based detection of peritoneal micrometastases in pancreatic cancer patients undergoing curative resection

Presented by: K.J. Kelly, * K. Moore Dalal, J. Wong, R. Gladdy, Y. Woo, M. Gonen, P. Allen, Y. Fong, D. Coit. , Surgery, Memorial Sloan-Kettering Cancer Center, Madison, NY

Totally laparoscopic gastric resection with extended lymphadenectomy for adenocarcinoma of the stomach

Presented by: E.A. Guzman, 1* A. Pigazzi, 1 B. Lee, 2 J. Kim, 1 J.D. Ellenhorn, 1

Long Term Survival Results of Surgery Alone verses Surgery plus 5-Fluorouracil and Leucovorin for Stage II and Stage III Colon Cancer: Pooled Analysis of NSABP adjuvant trials C-01 through C-05

Presented by: N.W. Wilkinson, 1* G. Yothers, 2 S.H. Lopa, 2 J. Costantino, 2 N. Petrelli, 3 N. Wolmark, 2

A Prospective Study of the False Positive Diagnosis for Micrometastatic Cells in the Sentinel Lymph Nodes in Colorectal Cancers

Presented by: D. Wiese, * S. Saha, A. Korant, S. Sirop, B. Yestrepsky, P. Ng, N. Bassily, W. Liu, E. Quiachon, J. Badin

Validation of POSSUM as a Measure of Postoperative Morbidity Following Pancreatic Surgery

Presented by: M.E. Marchessault, * J.L. Wild, S.J. Hix- Hernandez, H. Rajab, D. Beaver, M. Shabahang
Texas A&M/Scott and White, Temple, TX

Combination Intraperitoneal Chemotherapy is Superior to Mitomycin C or Oxaliplatin for Colorectal Carcinomatosis In Vivo

Presented by: M.S. Cohen, 1* M.F. Al-Kasspoles, 1 S. Williamson, 3 D. Barry, 4 M. Broward, 4 K. Roby, 2

Breast Cancer

Moderators: Robert J. Goulet, Jr., MD and Kelly K. Hunt, MD

A prospective, multi-institutional study of adjuvant radiation therapy after resection of malignant phyllodes tumors

Presented by: R.J. Barth, 1* W. Wells, 1 B. Cole, 2 S. Mitchell. 1

Contralateral prophylactic mastectomy for unilateral breast cancer: An increasing trend

Presented by: N.B. Jones, 1* L. Kotur, 2 J. Wilson, 2 J. Stephens, 1 W.B. Farrar, 2 D.M. Agnese. 2

The prognostic significance of tumor surgery in patients with primary metastatic breast cancer

Presented by: J. Ruiterkamp, 1* A.C. Voogd, 2 T. Smilde, 1 K. Bosscha, 1 M.F. Ernst. 1

African American (AA) Women with DCIS are Equally Likely to Participate and Develop Immune Response to Experimental Neoadjuvant HER-2/neu Targeted Vaccine

Presented by: AA. Sharma, 1* R. Mick, 2 U. Koldovsky, 1 S. Xu, 1 R.E. Roses, 1 H. Nisenbaum, 3 P.J. Zhang, 4 B.J. Czerniecki. 1

External Beam Radiation Therapy significantly reduces the risk of developing axillary recurrences after negative SLNB; a systematic review

Presented by: B.J. VanWely, 1* T.J. Aufenacker, 1 M. Schouten, 2 D.A. Schinagl, 2 L.J. Strobbe. 1

Management of Sentinel Node Micrometastases in Breast Cancer: Lack of Adherence to Established Guidelines

Presented by: N. Wasif, * X. Ye, A.E. Giuliano

Factors Associated with Optimal Cosmetic Results in Patients Treated With Accelerated Partial Breast Irradiation (APBI) by the American Society of Breast Surgeons (ASBrS) MammoSite® Breast Brachytherapy Registry Trial

Presented by: S. Goyal, 1* F. Vicini, 2 P.D. Beitsch, 3 M. Lyden, 4 B.G. Haffty. 1

Metastatic-Site Specific Differential Protein Expression and Growth Control in Breast Cancer Through MicroRNAs

Presented by: J.B. Patel, 1* P. Nakshatri, 1 W. Guohua, 1 M.J. Thomson, 2 S. Hammond, 2 Y. Liu, 1 H. Nakshatri. 1

Melanoma

Moderator: Dennis L. Rousseau, Jr., MD, PhD, and Michael S. Sabel, MD

Dermatofibrosarcoma protuberans (DFSP): How wide should we resect?

Presented by: J.M. Farma, * S.S. Marzban, M.M. Bui, C.A. Puleo, J.L. Messina, V.K. Sondak, J.S. Zager

Intratumoral vaccination of oncolytic herpesvirus encoding GM-CSF induces antitumor immunity in stage IIIc and IV melanoma patients

Presented by: H.L. Kaufman, 1* S. Kim-Schulze, 1 D. Kim, 1 B. Taback, 1 G. DeRaffele, 1 J. Mitcham, 1 H. Goldsweig, 2 R. Coffin. 2

Melanoma without Detectable Primary Site with Metastases to Lymph Nodes

Presented by: Z.I. Nowecki, P. Rutkowski, *W. Dzierwinski, A. Pienkowski, M. Salamacha, W. Michej, E. Bylina, W. Ruka

Soft Tissue/Bone Sarcoma and Melanoma, Cancer Center-Institute Warsaw, Warsaw, Poland
Natural History of Patients With a Positive Sentinel Lymph Node who do not Undergo Completion Lymphadenectomy

Presented by: T. Kingham, * K. Panageas, C.E. Ariyan, K. Busam, M.S. Brady, D.G. Coit

Regional Therapy for Recurrent Metastatic Melanoma Confined to the Extremity: Hyperthermic Isolated Limb Perfusion vs. Isolated Limb Infusion

Presented by: D.S. Reintgen, 1* S. Pendas, 1 J. Jakub, 2 H. Chan, 1 C. Nobo, 3 C. Puleo, 4 S. Shivers. 5

Tumor Mitotic Rate Impacts the Incidence of Locoregional and Systemic Recurrence but not SLN Positivity in Patients with Malignant Melanoma

Presented by: S. Carpenter, * R.J. Gray, A. Sekulic, S. Laman, B.A. Pockaj

Validation study of the S-classification for melanoma in positive sentinel nodes

Presented by: R.J. Younan, 1* A. Bougrine, 2 K. Watters, 2 M. Bouchereau-Eyegue, 1 A. Loutfi, 2 F. Tremblay, 2 D. Bouffard, 1 A. Belisle, 1 G. Leblanc, 1 E. Nassif, 1 G. Martin, 1 E. Patocskai, 1 S. Meterissian. 2

Liver Resection for Metastatic Melanoma with Post-Operative Tumor-Infiltrating Lymphocyte Therapy

Presented by: R.T. Ripley, 1* J.L. Davis, 1 J.A. Klapper, 1 U. Kammula, 1 R.E. Royal, 1 J.C. Yang, 1 R.M. Sherry, 1 M.S. Hughes, 1 S.K. Libutti, 1 D.E. White, 1 S.M. Steinberg, 2 M.E. Dudley, 1 S.A. Rosenberg, 1 I. Avital. 1

Endocrine/Head & Neck

Moderator: Herbert C. Hoover, Jr., MD and Jeffrey F. Moley, MD

The Incidental Adrenal Mass: Correlation of Histopathology with Imaging

Presented by: L. Yip, 1* J.L. Falcone, 1 M.E. Tublin, 2 C.R. Nordman, 2 M.T. Stang, 1 J.B. Ogilvie, 1 S.E. Carty, 1 J.H. Yim. 3

Micromedullary Thyroid Cancer: How Micro is Truly Micro?

Presented by: V.G. Pillarisetty, 1* S.C. Katz, 1 D.N. Anderson, 3 R.A. Ghossein, 2 M.M. Tuttle, 2 A.R. Shaha. 1

Recurrence of Adrenocortical Carcinoma Following Resection: Surgery Alone Can Achieve Results Equal to Surgery Plus Mitotane

Presented by: E.G. Grubbs,* E.A. Mittendorf, A.T. Phan, N.D. Perrier, D.B. Evans, G. Callender, J.E. Lee

Prognostic Role of Lymph-Node Involvement in Patients Undergoing Neck Dissection for Medullary Thyroid Cancer

Presented by: E. Kandil,1*M.M.Gilson,2 A.P. Tufaro,2 A.Dackiw,2 H.H. Alabbas,1 T. Islam,1 M.A. Zeiger,2 R.P. Tufano.2

Surgeon Performed Ultrasound Can Predict Differentiated Thyroid Cancer in Solitary Thyroid Nodules

Presented by: A.A. Jabiev,* M.H. Ikeda, I.M. Reis, C.C. Solorzano, J.I. Lew

Estrogen Receptor Beta is a Tumor Suppressor in Thyroid Cancer Cells

Presented by: G.G. Chen,* A.C. Vlantis, Z. Qiang, C.A. Van Hasselt

Impact of Hospital Volume on Surgical Outcomes for Head and Neck Cancer

Presented by: M.C. Cheung,1* L.G. Koniaris,1 E.A. Perez,1 M.A. Molina,1 W.J. Goodwin,1 R.M. Salloum.2

The Utility of Intra-Operative PTH for Primary Hyperparathyroidism due to Multi-Gland Disease

Presented by: A. Cayo,* R.S. Sippel, S. Schaefer, H. Chen

Cancer Forum I

Moderator: James C. Cusack, Jr., MD and Jason B. Fleming, MD

High Throughput Compound Screening Identifies New Differentiation-based Therapies for Dedifferentiated Liposarcoma (DDLs)

Presented by: B. Laxa,* C. Angeles, E. Brill, M. Lagos, R. O'Connor, P. Decarolis, S. Singer.

Disruption of CCR5-dependent homing of regulatory T cells inhibits tumor growth in a murine model of pancreatic cancer

Presented by: M. Tan,* P.G. Goedegebuure, B.A. Belt, B. Flaherty, N. Sankpal, W.E. Gillanders, T.J. Eberlein, C.S. Hsieh, D.C. Linehan

Stromal Neuregulin-1 (NRG-1) induces ErbB3-mediated resistance to erlotinib therapy in pancreatic cancer

Presented by: J.S. Liles,1* A. Frolov,1 N.S. Frolova,2 A.R. Frost,2 J.D. Christein,1 M.J. Heslin,1 J.P. Arnoletti.1

Tumor-derived VEGF regulates the recruitment of immune effector cells

Presented by: C.L. Roland,* S.P. Dineen, K.D. Lynn, L.A. Payton, M.T. Dellinger, J.G. Carbon, J.E. Toombs, R.A. Brekken

Novel Mutant Smoothed in Hepatomas Can Activate Hedgehog Signaling

Presented by: J.K. Sicklick,1* J.Wang,2 D.N.Watkins,3 J.Huang,2 W. Chen,2 A.M.Diehl.2

Detailed Analysis of the INSIGHT Global DNA Mismatch Repair (MMR) Gene Locus Specific Mutation Database (LDSB) and Familial Colorectal Cancer (CRC)

Presented by: J. Ady,1* A. Azarbayejani,1 V. Lai,1 J. Shin,1Z. Yuan,6 P. Peltomaki,2 G.Moeslein,3F.Macrae,4 D. Sas,1 N.White,5 T.Weber.1

Resveratrol Activates Notch1 Signaling, Inhibits Cellular Proliferation, and Diminishes Neuroendocrine Markers in Pheochromocytoma

Presented by: M. Cayo,* A. Cayo, S. Jarjour, S. Pinchot, H. Chen

Screening and Prophylactic Surgery in High Risk Pancreas Cancer Families

Moderator: Richard D. Schulick, MD, Chief, Cameron Division of Surgical Oncology Associate Professor of Surgery, Oncology Obstetrics & Gynecology Johns Hopkins Medical Institutions Baltimore

Familial Pancreas Cancer: What is the Scope of the Problem?

Presented by: Alison P. Klein, Assistant Professor of Oncology & Pathology Johns Hopkins University School of Medicine Director, National Familial Pancreas Tumor Registry Sidney Kimmel Comprehensive Cancer Center Baltimore, MD

Screening and Detection of (Pre) Malignant Lesions

Presented by: Michael G. Goggins, Professor of Pathology & Oncology The Sol Goldman Pancreatic Cancer Research Center Johns Hopkins University School of Medicine Baltimore, MD

Technical Aspects of Total Pancreatectomy

Presented by: Steven M. Strasberg, Pruet Professor of Surgery Section of HPB/GI Surgery Washington University in Saint Louis St. Louis, MO

What are the Results of Pancreatic Resection in these Patients?

Presented by: Richard D. Schulick, Chief, Cameron Division of Surgical Oncology Associate Professor of Surgery, Oncology Obstetrics & Gynecology Johns Hopkins Medical Institutions Baltimore, MD

Maximizing Reimbursement: The Use of CPT Coding in a Surgical Oncology Practice

Moderator: Alan M.Yahanda, MD, Baylor University Medical Center Dallas, TX and Francis R. Spitz,MD

Activity and Role of the American College of Surgeons General Surgery Coding and Reimbursement Committee (GSCRC) and Where in the Process can the SSO Organization and Membership Contribute and Participate?

Presented by: John T. Preskitt, Baylor University Medical Center Dallas, TX

Coding and Re-imburement in a Surgical Oncology Practice: A Brief Overview of the Activities of the Society of Surgical Oncology

Presented by: Lawrence D. Wagman, Executive Medical Director The Center for Cancer Prevention and Treatment Director, Liver Tumor Program St. Joseph Hospital Orange, CA

Office Coding: Assuring Compliance and Value via an Automated System

Presented by: Kelly M. McMasters, Sam and Lolita Weakley Professor and Chairman Department of Surgery University of Louisville School of Medicine Louisville, KY

Melanoma Procedure Coding

Presented by: Francis R. Spitz, Associate Professor of Surgery Hospital of University of Pennsylvania Philadelphia, PA

Strategies to Improve the Efficiency of Billing for Your Practice

Presented by: Christopher Burns, Practice Development Strategies San Diego, CA

Strategies to Improve the Efficiency of Billing for Your Practice

Question and Answer Session

Saturday, March 7th, 2009

2007-2009 Clinical Investigator Award Presentations

Part I

Presented by: Malcolm V. Brock, MD, Johns Hopkins University

Part II

Presented by: Herbert Chen, MD, University of Wisconsin

Part III

Presented by: John A. Olson, MD, PhD, Duke University

Plenary Session III

Moderator: Monica Morrow, MD

Analysis of 14 circulating angiogenic factors in colorectal cancer patients using a multiplex array reveals profiles associated with nodal or distant metastasis.

Presented by: U.N. Maduekwe,^{1*} S. Connors,² C. Rothrock,¹ B. Reinschild,¹ S. Ryeom,² S.S. Yoon.¹

When Is Prophylactic Thyroidectomy Indicated For Patients With The C609Y Mutation?

Presented by: D. Calva,^{*} T.M. O'Dorisio, M.S. O'Dorisio, G. Lal, S. Sugg, R.J. Weigel, J.R. Howe

Colorectal Cancer in the Very Young: A Comparative Study of Tumor Markers, Pathology and Survival in Early Onset and Adult Onset Patients

Presented by: S.A. Khan,1* M. Morris,2 K. Idrees,1 M. Gimbel,1 S. Rosenberg,1 Z. Zeng,1 J. Shia,1 M. LaQuaglia,1 P.B. Paty.1

Asian-Americans Have Superior Outcomes for Gastric Adenocarcinoma

Presented by: B.A. Mailey,* C. Sun, A. Artinyan, C. Prendergast, A. Pigazzi, J. Ellenhorn, S. Bhatia, J. Kim.

James Ewing Lecture

Discovery and Technology Change Cancer Care: The EGF Receptor Family as a Prime Example

Presented by: Shelley Earp, MD, Director, Linberger Comprehensive Cancer Center University of North Carolina Chapel Hill, NC

Plenary Session IV

Moderator: V Suzanne. Klimberg, MD

Positive Bone Marrow Biopsy is Associated with a Decreased Event Free Survival in Patients with Breast Cancer

Presented by: A. Mascaro,1 C.E. Vitelli,1 A. Baldi,2 M. Farina,1 M. Amini,1 F. Piro,1 L. Fortunato.1*

A Molecular Signature of Clinical Risk in Patients with Colorectal Liver Metastasis (CLM)

Presented by: J. Yeh,1* A.S. Caudle,2 L. McPhail,1 C.S. Sigel,1 L. Caskey,1 E.D. Routh,1 H.J. Kim,1 M.O. Meyers,1 B.F. Calvo.1

Angiosarcoma: Clinical, pathological, and molecular predictors of Disease- specific survival in 222 patients

Presented by: G.J. Lahat,* A. Dukah, H. Halevi, L. Xiao, Z. Changye, K.D. Smith, J.A. Lazar, R.E. Pollock, D. Lev

Histopathologic Basis for the Favorable Survival After Resection of Invasive Pancreatic

Adenocarcinoma Associated With Intraductal Papillary Mucinous Neoplasm

Presented by: G.A. Poultsides,1* S. Reddy,1 J.L. Cameron,1 R.H. Hruban,2 T.M. Pawlik,1 N. Ahuja,1 R.D. Schulick,1 A. Jain,1 B.H. Edil,1 C.L. Wolfgang.1

John Wayne Clinical Research Lecture

Forty Years in Operating Rooms and Cockpits

Presented by: Richard C. Karl, MD, Richard G. Connar Professor and Chairman The University of South Florida College of Medicine Tampa, FL

Cancer Forum II

Moderator: David C. Linehan, MD and Hong Jin Kim, MD

Colorectal cancer cells enriched for the cancer stem cell phenotype generate a soluble factor that mediates tumor cell growth and chemoresistance

Presented by: D. Bose,^{1*} N. Dallas,² F. Fan,¹ L. Xia,¹ P. Gaur,¹ S. Samuel,¹ L.M. Ellis.¹

Attenuated Salmonella typhimurium Effectively Targets Breast Cancer Metastases

Presented by: S. Ganai,^{1*} R.B. Arenas,¹ J.P. Sauer,² B. Bentley,³ N.S. Forbes.²

Tacrolimus Inhibits the Growth of Angiosarcoma in Mice

Presented by: N. Klauber-DeMore,^{1*} J.L. Arbiser,² C. Livasy,¹ D. Ketelsen,¹ E. Hilliard,¹ L. Fried,² S. Siamakpour-Reihani,¹ C. Perou,¹ C. Patterson.¹

Downregulation of the Tumor Suppressor Gene Cyclin Dependent Kinase 2-Associated Protein 1 (CDK2-AP1) in Microsatellite Unstable (MSI) Human Colorectal Cancer (CRC) is Associated with Hypermethylation of the CDK2-AP1 Promoter

Presented by: A. Azarbayejani,^{1*} Z. Yuan,² J. Ady,¹ D. Sas,¹ T. Weber.¹

Expression Profile of Pancreatic Cancer-Associated Fibroblasts Is Distinct From Carcinoma Cells

Presented by: R.F. Hwang,^{*} T. Moore, A. Rivera, D.B. Evans, C.D. Logsdon.

Overexpression of Micro-RNA 205 is a Predictor of Poor Survival in Esophageal Adenocarcinoma

Presented by: M.E. Dillhoff,^{*} J. Liu, W. Frankel, S. Volinia, C. Croce, M. Bloomston.

Gastrointestinal Cancer Parallel Session

Moderator: Herbert C. Hoover, Jr. MD and Timothy M. Pawlik, MD

Extended Preoperative Chemotherapy does not Improve Pathologic Response and Increases Postoperative Liver Insufficiency after Hepatic Resection for Colorectal Liver Metastases

Presented by: D. Zorzi,^{1*} Y. Kishi,¹ D.M. Maru,¹ H. Wang,¹ D. Ribero,² E. Motta,² N. Ravarino,² M. Risio,² S.A. Curley,¹ E.K. Abdalla,¹ L. Capussotti,² J.N. Vauthey.¹

CD8 T Cell Infiltrate Predicts Disease-Specific Survival Following Resection of Colorectal Cancer Liver Metastases

Presented by: S.C. Katz,^{*} V.G. Pillarisetty, J. Shia, C. Hedvat, Z.M. Bamboat, M. Gonen, W.R. Jarnagin, P.J. Allen, Y. Fong, L.H. Blumgart, M.I. D'Angelica, R.P. DeMatteo. Memorial Sloan-Kettering Cancer Center, New York, NY

Survival Benefits After Sentinel Lymph Node Mapping in Colon Cancer as Compared to Conventional Surgery

Presented by: S. Saha,^{*} S. Sirop, A. Korant, B. Chakravarty, N. Krishnaiah, D. Panjam, D. Wiese, M. Arora, D. Eilender, T. Singh.

Comparing the Clinical and Economic Impact of Laparoscopic Versus Open Liver Resection
Presented by: T. Vanounou,* J. Steel, T. Nguyen, S. Cho, D.A.Geller, T.C.Gamblin.

Oncological outcomes following TEMS for rectal cancer
Presented by: J.B. Cowley,1* M. Tayyab,1 J. Gunn,1 J.E. Hartley,1 J.R. Monson.2

Barriers to Surgical Therapy for Pancreatic Cancer
Presented by: K. Vanderveen,1* R. Canter,1 D. Yin,2 R. Cress,2 R. Bold.1

Local Excision (LE) after Preoperative Chemoradiation (CXRT) for T3 Rectal Cancer Results in an Equivalent Outcome to Total Mesorectal Excision (TME) in Selected Patients
Presented by: G.G. Callender,1* P. Das,1 M.A. Rodriguez- Bigas,1 J.M. Skibber,1 C.H. Crane,1 S. Krishnan,1 M.E. Delclos,1 M. Bonnen,2 B.W. Feig.1

Characteristics of relapse after curative resection for T1 colorectal cancer: is the surveillance after initial colorectal surgery necessary?
Presented by: H. Kobayashi,1* H. Mochizuki,2 T. Morita,2 K. Kotake,2 T. Teramoto,2 S. Kameoka,2 K. Takahashi,2 Y. Saito,2 M. Oya,2 K. Hase,2 K. Maeda,2 T. Hirai,2 M. Kameyama,2 K. Shirouzu,2 K. Sugihara.2

Breast Cancer Parallel Session
Moderator: Conelis JH van de Velde, MD and Michael S. Sabel, MD

The Impact of Breast MRI on Surgical Decision-Making: Are Patients at Risk for Mastectomy?
Presented by: K. Pettit,* M.E. Swatske, R.L. Aft, W.E. Gillanders, T.J. Eberlein, J.A. Margenthaler

Evaluation of proposed candidate genetic variants in a west of Ireland breast cancer cohort
Presented by: N. McNerney,1* N. Miller,1 A. Rowan,2 G. Colleran,1 C. Curran,1 E. Sawyer,2 I.P. Tomlinson,2 M.J. Kerin.1

The Effect Of Previous Hormone Replacement Therapy On Post-Menopausal Symptoms In Hormone Receptor-Positive Breast Cancer Patients Treated With Anti-Estrogen Therapy
Presented by: A.B. Chagpar,1* K.M. McMasters,1 J. Lewis,2 M.J. Edwards.2

Second Primary Lung Cancer Associated with Breast Conservation Therapy
Presented by: N.R. Poulin,* E. Feliberti

National Quality Measures for Breast Centers: A Robust Quality Tool
Presented by: C.S. Kaufman,1* L. Shockney,2 B. Rabinowitz,3 C. Beard,4 C. Coleman,5 J. Landercasper,6 J. Askew, Jr.,7 D.Wiggins,8 A. Quality Initiative Committee.8

Are Mastectomies on the Rise? A 13-year Trend Analysis of the Selection of Mastectomy vs. Breast Conservation Therapy in 5865 Patients

Presented by: K.P. McGuire,* A. Santillan, P. Kaur, D. Ramos, J. Parbhoo, M. Mathias, C. Shamehdi, M. Davis, T. Meade, C. Cox.

Breast cancer- Is she really at high risk? A validation study of the Pedigree Assessment Tool (PAT)

Presented by: P. Teller,1* S. Gabram,1 A. Zwaagstra,1 C. Stanislaw,3 R. Iyengar,1 V.L. Green,4 K.F. Hoskins.2

Sarcoma/Thoracic Parallel Session

Moderator: Stephen R. Grobmyer, MD and Samuel Singer, MD

Desmoids - A revelation in biology and treatment

Presented by: W.P. Francis,1* D. Zippel,3 L. Mack,1 L.D. DiFrancesco,2 E. Kurien,2 N. Schachar,2 W.T. Temple.1

Proton Beam, Intensity Modulated, and/or Intra-Operative Radiation Therapy Combined with Aggressive Anterior Surgical Resection for Retroperitoneal and Pelvic Sarcomas

Presented by: U.M. Maduekwe,* T.F. DeLaney, Y. Chen, W.K. Kobayashi, A.E. Rosenberg, G.P. Nielsen, D.V. Sahani, E. Choy, D.C. Harmon, S.S. Yoon

Complete pathologic response to neoadjuvant chemoradiation is the only predictor of survival in patients with esophageal cancer

Presented by: K.L. Meredith,1* J. Weber,1 E. Siegel,1 J. McLoughlin,2 K. Taruga,1 N. Shah,1 M. Melis,1 S. Kelley,1 R. Karl.1

Clinical, pathological and molecular variables predictive of malignant peripheral nerve sheath tumor (MPNST) outcome

Presented by: K.D. Smith,* C. Zou, J. Liu, G. Lahat, W. Wang, I.E. McCutcheon, J.M. Slopis, A.J. Lazar, R.E. Pollock, D. Lev

Outcomes of Soft Tissue Sarcoma Surgery in the Elderly

Presented by: G.J. Lahat,* A. Dukah, S. Lahat, B. Feig, J. Cormier, K. Hunt, P.W. Pisters, D. Lev, R.E. Pollock

Predictors of Recurrence and Survival in Primary Leiomyosarcoma

Presented by: R. Gladdy,1* L.I. Qin,2 M.F. Brennan,2 S. Singer.2

Survival Rates in Patients (Pts) with Metastatic Gastrointestinal Stromal Tumor (GIST) Treated with Sunitinib Malate (SU) and Cytoreductive Surgery (CS)

Presented by: C.P. Raut,* J.A. Morgan, S. George, A.J. Wagner, J.E. Butrynski, Q. Wang, J. Manola, C.D. Fletcher, G.D. Demetri, M.M. Bertagnolli.

Diffuse Malignant Peritoneal Mesothelioma: Prognostic Significance of Lymph-node Metastases
Presented by: D. Baratti, * S. Kusamura, A.D. Cabras, B. Laterza, M. Deraco

Outcomes/Miscellaneous Parallel Session

Moderator: Dennis L. Rousseau, Jr, MD, PhD and Thomas K. Weber, MD

Pathologic Staging and Tumor Necrosis after Laparoscopic Ultrasound Guided Radiofrequency

Ablation as Bridge Therapy for Orthotopic Liver Transplant in Hepatocellular Carcinoma

Presented by: A. Legaspi,1* M.T. Garcia,3 D. Levi,3 M. Wakodkar,2 A. Chand.2

Risk Score to Predict In-Hospital Mortality after Pancreatic Resection for Cancer

Presented by: J.S. Hill,* Z. Zhou, J.P. Simons, S.C. Ng, T.P. McDade, G.F. Whalen, J.F. Tseng

Proposal of New Staging in Advanced Colorectal Cancer

Presented by: Y.S. Chun,* S. Kopetz, M. Palavecino, D. Zorzi, S.A. Curley, E.K. Abdalla, J.N. Vauthey

Cost-effectiveness of Prolonged Thromboprophylaxis After Cancer Surgery

Presented by: C. Bradley,* K. Brasel, J. Miller, S. Pappas

Colorectal Cancer Screening Among First-degree Relatives of Colorectal Cancer (CRC) Patients:
Benefits and Barriers

Presented by: L.A. Mack,1* L.S. Cook,2 W.J. Temple,1 L.E. Carlson,3 R.J. Hilsden,3 E. Oddone Paulocci.3

Are Patients of Low Socioeconomic Status Being Denied Optimal Management for Pancreatic Cancer?

Presented by: M.C. Cheung,* R. Yang, L.G. Koniaris

Cytoreductive Surgery with Intraperitoneal Hyperthermic Chemotherapy (IPHC) for Malignant
Peritoneal Mesothelioma (MPM)

Presented by: A. Blackham,* G. Russell, P. Shen, J.H. Stewart, E.A. Levine

Partial Nephrectomy for Selected Renal Cortical Tumors Greater Than 7 Centimeters

Presented by: M.E. Karellas,* P. Russo

Partial Nephrectomy for Selected Renal Cortical Tumors Greater Than 7 Centimeters
Question and Answer Session

Controversies in the Management of Esophageal Cancer: A Multidisciplinary Debate

Moderator: Herbert C. Hoover, Jr., MD

Medical Oncology

Presented by: David H. Ilson, MD, PhD

Radiation Oncology

Presented by: Christopher G. Willett, MD

Leonard R. Prosnitz Professor and Chairman, Department of Radiation Oncology, Duke University Medical Center, Durham, NC

Surgery: Transthoracic Approaches

Presented by: Richard C. Karl, MD

Richard G. Connor Professor and Chairman, The University of South Florida College of Medicine, Tampa, FL

Surgery: Transhiatal Approach

Presented by: Mark Orringer, MD

Surgery: Transhiatal Approach

Question and Answer Session

Current Topics in Health Policy and Advocacy

Moderator: Michael Bouvet, MD, and Douglas S. Tyler, MD

The Changing Nature of Health Care: The New Players: The Payors and What They Want

Presented by: Frank Opelka, MD

What Surgeons Deserve and What They Can Expect from the Revolution in Health Care Financing

Presented by: William G. Plested III, MD

What Surgeons Deserve and What They Can Expect from the Revolution in Health Care Financing

Question and Answer Session

Pay-for-Performance

Presented by: Glenn D. Steele, Jr., MD, PhD

Sunday, March 8th

Minimizing and Managing the Toxicity of Melanoma Therapy

Moderator: Vernon K. Sondak, MD

Minimizing and Managing the Toxicity of Iliioinguinal Node Dissections

Presented by: Vernon K. Sondak, MD

Ultrasound as a Low-Morbidity Alternative to Complete Node Dissection

Presented by: John F. Thompson, MD, Sydney Melanoma Unit

Minimizing the Toxicity of Adjuvant Therapy: Pegylataed Versus Standard Interferon

Presented by: Alexander M. M. Eggermont, MD, PhD

Minimizing the Toxicity of Adjuvant Therapy: Pegylataed Versus Standard Interferon

Question and Answer Session

Minimizing and Managing the Toxicity of Anti-CTLA4 Antibody Therapy: What the Surgeon Needs to Know

Presented by: Jeffrey S. Weber, MD, PhD

Local Therapy for Soft Tissue Sarcoma

Moderator: Samuel Singer, MD, Member, Department of Surgery Sarcoma Disease Management Program Memorial Sloan-Kettering Cancer Center New York, NY

Surgery Alone for the Treatment of Soft Tissue Sarcoma

Presented by: Samuel Singer, MD

New Methods for Reducing the Morbidity of Local Radiotherapy

Presented by: Kaled Alektiar, MD

Combined Radiation and Chemotherapy for Extremity and Truncal Sarcoma

Presented by: Thomas F. DeLaney, MD

Regional Hyperthermia Combined with Chemotherapy for High Risk Soft Tissue Sarcoma

Presented by: Rolf D. Issels, MD, PhD

Scientific Advances in Surgical Oncology Management A Tribute to Donald L. Morton, MD

Co-chairs

Raphael Pollock, MD, PhD; Anton Bilchik, MD; William Cance, MD and Charles Balch, MD

Advances in Melanoma

Prognosis and Staging of Melanoma

Presented by: Charles Balch, MD

Management of the Primary Melanoma

Presented by: Merrick Ross, MD

Management of Regional Lymph Nodes

Presented by: John Thompson, MD

Current Status of Melanoma Vaccines

Presented by: Vernon Sondak, MD

Tribute to Donald Morton

Launching a Career at the NIH – The Complete Clinical Surgeon

Presented by: Raphael Pollock, MD, PhD

Training of Surgical Oncologists

Presented by: Marshall Urist, MD

Donald L. Morton, MD on Donald L. Morton

Presented by: Donald L. Morton, MD

GI Cancer and Soft Tissue Sarcomas

Advances in the Staging of Gastrointestinal Neoplasia

Presented by: Anton Bilchik, MD

Molecular Staging and Multidisciplinary Management of Soft Tissue Sarcomas

Presented by: Raphael Pollock, MD, PhD

Role of Surgical Metastasectomy in Sarcoma Management

Presented by: Steve Swisher, MD

Breast Cancer and Lung Cancer

Evidence-based Advances in Selecting Breast Surgery Options

Presented by: Kelly Hunt, MD

Management of the Axillary Lymph Nodes

Presented by: Armando Guiliano, MD

Biological Advances in Lung Cancer

Presented by: Jack Roth, MD

Advances in Lung Cancer Management

Presented by: Larry Kaiser, MD

Translational Research and Biomarkers

Advances in Tumor Immunology

Presented by: Elizabeth Grimm, MD

Emerging Role of Melanoma Biomarkers

Presented by: Mark Faries, MD

Targeted Therapies for Melanoma

Presented by: Michael Lotze, MD