Abstract 1
GOG 3007, a randomized phase II (RP2) trial of everolimus and letrozole (EL) or hormonal therapy (medroxyprogesterone acetate/tamoxifen, PT) in women with advanced, persistent or recurrent endometrial carcinoma (EC): A GOG Foundation study

B. Slomovitz1,2, V.L. Filiaci3, R.L. Coleman4, J.L. Walker5, A.C. Fleury6, L.L. Holman7 and D.S. Miller8
1 University of Miami Sylvester Comprehensive Cancer Center, Miami, FL, USA, 2University of Miami Miller School of Medicine, Miami, FL, USA, 3Gynecologic Oncology Group Statistical and Data Center, Buffalo, NY, USA, 4The University of Texas MD Anderson Cancer Center, Houston, TX, USA, 5The University of Oklahoma, Oklahoma City, OK, USA, 6Women’s Cancer Center of Nevada, Las Vegas, NV, USA, 7The University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA, 8The University of Texas Southwestern Medical Center, Dallas, TX, USA

Abstract 2
Novel intrauterine polymer system delivers everolimus at biologically active levels in rats

J.A. Dottino1, Y. Jiang1, S. Shah2, J. Celestino1, E. Watson3, Q. Zhang1, G. Chisholm1, J. Burks1, A. Mikos3, K.H. Lu1 and M. Yates1
1The University of Texas MD Anderson Cancer Center, Houston, TX, USA, 2Baylor College of Medicine, Houston, TX, USA, 3Rice University, Houston, TX, USA

Abstract 3
Disparities in the allocation of research funding to gynecologic cancers demonstrated by funding to lethality scores

R. Spencer1, L.W. Rice1, C.Y. Ye1 and S. Uppal2
1University of Wisconsin School of Medicine and Public Health, Madison, WI, USA, 2University of Michigan Health Systems, Ann Arbor, MI, USA
Abstract 4

Changes in the Affordable Care Act affecting women: Fiscal 2014-2017

1 University of Kentucky, Lexington, KY, USA, 2University of Kentucky College of Medicine, Lexington, KY, USA, 3University of Kentucky Medical Center, Lexington, KY, USA

Abstract 5

The Affordable Care Act reduced racial and socioeconomic disparities in access to health insurance among women diagnosed with a gynecologic malignancy

H.A. Moss, L.J. Havrilesky and J. Chino
Duke University Medical Center, Durham, NC, USA

Abstract 6

Participation in clinical trials may overcome health disparities in the treatment of advanced or recurrent epithelial ovarian cancer

K.B. Patel1, A. Pyrzak2, H. Coste1, L.F. Zhang1, R. Sadek1, J.J. Wallbillich1, S. Ghamande2 and B.J. Rungruang1
1Medical College of Georgia, Augusta, GA, USA, 2Georgia Regents University, Augusta, GA, USA

SCIENTIFIC PLENARY SESSION II: CONTEMPORARY CHALLENGES
ABSTRACTS 7-13
10:30 a.m. – 12:00 p.m.

Abstract 7

Tackling the opioid crisis: Implementation of an ultra-restrictive opioid prescription protocol in patients undergoing major gynecologic surgery radically decreased dispensed opioid without reducing pain control

J.E. Mark1, D. Phoenix1, C.A. Gutierrez2, K. Morrell1, K.H. Eng1, P.C. Mayor1, S.N. Akers1, S.B. Lele1, K. Odunsi1, O. DeLeon1, P.J. Frederick1 and E. Zsiros1
1Roswell Park Cancer Institute, Buffalo, NY, USA, 2University of Buffalo, Buffalo, NY, USA

Abstract 8

Opioid use in gynecology oncology patients after minimally invasive hysterectomy

E. Weston1, C. Raker2, D. Huang3, A.B. Parker2, K.M. Robison2 and C.A. Mathews3
1Johns Hopkins School of Medicine, Baltimore, MD, USA, 2Women & Infants Hospital, Brown University, Providence, RI, USA, 3University of California, San Francisco, San Francisco, CA, USA

Abstract 9

Variation of cost and resource utilization associated with the surgical management of women with ovarian cancer

J.A. Rauh-Hain1, A. Melamed2, L.A. Meyer1 and M.G. del Carmen3
1The University of Texas MD Anderson Cancer Center, Houston, TX, USA, 2Massachusetts General Hospital, Boston, MA, USA, 3Massachusetts General Hospital/Harvard University, Boston, MA, USA
Abstract 10

Development of an alternative payment model (APM) for early-stage cervical cancer: Opportunities to reduce cost and improve quality

J.D. Wright¹, L.J. Havrilesky², R.D. Alvarez³, D.E. Cohn⁴, Y. Huang¹, L.R. Boyd⁵ and E.M. Ko⁶
¹Columbia University College of Physicians and Surgeons, New York, NY, USA, ²Duke University Medical Center, Durham, NC, USA, ³University of Alabama at Birmingham, Birmingham, AL, USA, ⁴The Ohio State University, James Cancer Hospital, Columbus, OH, USA, ⁵New York University School of Medicine, New York, NY, USA, ⁶University of Pennsylvania, Philadelphia, PA, USA

Abstract 11

GOG 244, the lymphedema and gynecologic cancer (LEG) study: Incidence and risk factors in newly diagnosed patients

¹Mercy Clinic - Women’s Oncology, Springfield, MO, USA, ²Gynecologic Oncology Group Statistical and Data Center, Buffalo, NY, USA, ³Memorial Sloan Kettering Cancer Center, New York, NY, USA, ⁴University of Missouri, Columbia, MO, USA, ⁵SGNO, Fort Worth, TX, USA, ⁶Abington Memorial Hospital, Abington, PA, USA, ⁷University of California, Irvine, Irvine, CA, USA, ⁸The University of Oklahoma, Oklahoma City, OK, USA, ⁹Women’s Cancer Center of Nevada, Las Vegas, NV, USA, ¹⁰Cox Health, Springfield, MO, USA, ¹¹University of North Carolina at Chapel Hill, Chapel Hill, NC, USA, ¹²Women & Infants Hospital, Brown University, Providence, RI, USA, ¹³Lewis Cancer & Research Pavilion @ St. Joseph’s Candler, Savannah, GA, USA, ¹⁴The University of Arizona Cancer Center, Tucson, AZ, USA

Abstract 12

The FILM Trial: A randomized phase III multicenter study assessing near infrared fluorescence in the identification of sentinel lymph nodes (SLN)

M. Frumovitz¹, M. Plante², P.S. Lee³, S. Sandadi Sr.⁴, J.F. Lilja⁵, P.F. Escobar⁶, L.T. Gien⁷, M.F. Munsell¹ and N.R. Abu-Rustum⁹
¹The University of Texas MD Anderson Cancer Center, Houston, TX, USA, ²Laval University, L’Hotel-Dieu de Quebec, Quebec City, QC, Canada, ³Duke University Medical Center, Durham, NC, USA, ⁴Memorial Sloan Kettering Cancer Center, New York, NY, USA, ⁵Bay Area Gynecology Oncology, San Jose, CA, USA, ⁶Instituto Gyneco-Oncologico, Caguas, PR, USA, ⁷Sunnybrook Odette Cancer Center, Toronto, ON, Canada

Abstract 13

Sentinel lymph node (SLN) isolated tumor cells (ITCs) in otherwise stage I/II endometrioid endometrial cancer: To treat or not to treat?

¹The Ohio State University, James Cancer Hospital, Columbus, OH, USA, ²The Ohio State University, Columbus, OH, USA, ³L’Hotel-Dieu de Quebec, Quebec City, QC, Canada, ⁴Laval University, L’Hotel-Dieu de Quebec, Quebec City, QC, Canada, ⁵University of North Carolina at Chapel Hill, Chapel Hill, NC, USA, ⁶Johns Hopkins Hospital, Baltimore, MD, USA, ⁷The University of Texas MD Anderson Cancer Center, Houston, TX, USA, ⁸Florida Hospital Cancer Institute, Orlando, FL, USA, ⁹Memorial Sloan Kettering Cancer Center, New York, NY, USA
Abstract 14

An in vitro evaluation of neoantigens derived from gene fusion events in ovarian cancer patients

M.S. Ross¹, M. Tianzhou², N. Priedigkeit², L. Zhang³, G. Tseng³, A.V. Lee², R.P. Edwards¹ and A. Vlad⁴
¹Magee-Womens Hospital of UPMC, Pittsburgh, PA, USA, ²University of Pittsburgh/Magee-Womens Hospital, Pittsburgh, PA, USA, ³University of Pittsburgh, Pittsburgh, PA, USA, ⁴Magee-Womens Research Institute, Pittsburgh, PA, USA

Abstract 15

Adverse events and responses in patients with recurrent ovarian cancer undergoing early-phase immune checkpoint inhibitor clinical trials

E.M. Hinchcliff, D. Hong, H. Le, G. Chisholm, R. Iyer, A. Naing and A.A. Jazaeri
The University of Texas MD Anderson Cancer Center, Houston, TX, USA

Abstract 16

A cost-effectiveness analysis of three PARP inhibitors for maintenance therapy in platinum-sensitive recurrent ovarian cancer

A.Y. Liu¹, J.G. Cohen¹, C. Walsh², C.H. Holschneider³ and A.K. Sinno¹
¹University of California, Los Angeles, Los Angeles, CA, USA, ²Cedars-Sinai Medical Center, Los Angeles, CA, USA, ³David Geffen School of Medicine at UCLA, Los Angeles, CA, USA

Sunday, March 25, 2018

Abstract 17

Utilizing the patient-reported outcomes measurement information system (PROMIS) to improve referral to ancillary support services for severely symptomatic patients with gynecologic cancer

G.M. Gressel¹, S.M. Dioun¹, M. Richley¹, A.R. Van Arsdale², S. Isani³, N.S. Nevadunsky², D. Smotkin², H.O. Smith², D.Y.S. Kuo² and A.P. Novetsky²
¹Montefiore Medical Center, Bronx, NY, USA, ²Albert Einstein College of Medicine/Montefiore Medical Center, Bronx, NY, USA, ³Albert Einstein College of Medicine, New York, NY, USA
Abstract 18

PARP 7 has a significant role in overall survival of patients with ovarian cancer

L.H. Palavalli Parsons and J.S. Lea
The University of Texas Southwestern Medical Center, Dallas, TX, USA

Abstract 19

Bevacizumab, TKI, or PARPi? A targeted approach using composite value-based endpoints and biomarkers to individualize care for platinum-sensitive recurrent ovarian cancer (PSROC)

J.R. Foote¹, A. Alvarez-Secord², M.I. Liang³, J.A. Ehrisman¹, D.E. Cohn³, E. Jewell⁴ and L.J. Havrilesky¹
¹Duke University Medical Center, Durham, NC, USA, ²David Geffen School of Medicine at UCLA, Los Angeles, CA, USA, ³The Ohio State University, James Cancer Hospital, Columbus, OH, USA, ⁴Memorial Sloan Kettering Cancer Center, New York, NY, USA

Abstract 20

Safety and dose modification for patients with low body weight receiving niraparib in the ENGOT-OV16/NOVA phase III trial

R. Lord¹, M.R. Mirza², L. Woelber¹, A. Lesoin⁴, M.J. Pineda¹, U. Peen⁵, S.J. Hazard⁷ and U.A. Matulonis⁸
¹National Cancer Research Institute (NCRI) and Clatterbridge Cancer Center, Wirral, United Kingdom, ²The Nordic Society of Gynecological Oncology (NSGO) and Righospitalet-Copenhagen University Hospital, Copenhagen, Denmark, ³Arbeitsgemeinschaft Gynäkologische Onkologie (AGO) and University Medical Center Hamburg - Eppendorf, Hamburg, Germany, ⁴Groupe d’Investigateurs Nationaux pour l’Etude des Cancers Ovariens (GINECO) and Centre Oscar Lambret Department de Cancérologie Sénologique, Lille, France, ⁵Ironwood Cancer and Research Center, Mesa, AZ, USA, ⁶NSGO and Herlev Hospital, Herlev, Denmark, ⁷Tesaro, Inc., Waltham, MA, USA, ⁸Dana-Farber Cancer Institute, Boston, MA, USA

Abstract 21

Are FDA-approved PARPi cost-effective as maintenance treatment of platinum-sensitive recurrent ovarian cancer?

J.A. Dottino¹, H.A. Moss², K.H. Lu¹, A.A. Secord³ and L.J. Havrilesky²
¹The University of Texas MD Anderson Cancer Center, Houston, TX, USA, ²Duke University Medical Center, Durham, NC, USA, ³Duke Cancer Institute, Durham, NC, USA

Abstract 22

Randomized phase II trial of carboplatin-paclitaxel compared to carboplatin-paclitaxel-trastuzumab in advanced or recurrent uterine serous carcinomas that overexpress Her2/neu (NCT01367002)

A.D. Santin¹ and A.N. Fader²
¹Yale University School of Medicine, New Haven, CT, USA, ²Johns Hopkins School of Medicine, Baltimore, MD, USA
Abstract 23: Predictive biomarkers of endometrial cancer response: Results from NRG Oncology/Gynecologic Oncology Group study 86P


1NYU Langone Health, New York, NY, USA, 2Massachusetts General Hospital Cancer Center, Boston, MA, USA, 3Mercy Clinic - Women’s Oncology, Springfield, MO, USA, 4Gynecologic Oncology Group Statistical and Data Center, Buffalo, NY, USA, 5Washington University School of Medicine in St. Louis, St. Louis, MO, USA, 6Duke Cancer Institute, Durham, NC, USA, 7University of California Irvine Medical Center, Orange, CA, USA, 8University of Iowa Hospitals and Clinics, Iowa City, IA, USA, 9The Ohio State University, James Cancer Hospital, Columbus, OH, USA, 10Women & Infants Hospital, Brown University, Providence, RI, USA, 11The University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA, 12Rush University Medical Center, Chicago, IL, USA, 13Memorial Sloan Kettering Cancer Center, New York, NY, USA, 14Weill Cornell Medical College, New York, NY, USA

Abstract 24: IAP antagonism enhances anti-tumor activity of docetaxel or panobinostat in ovarian cancer cell lines


1Walter Reed National Military Medical Center, Bethesda, MD, USA, 2National Institutes of Health, Bethesda, MD, USA, 3National Cancer Institute, Bethesda, MD, USA, 4Astex Pharmaceuticals, Cambridge, United Kingdom

Abstract 25: Development of a high-affinity anti-galectin-3 antibody targeting interactions between MUC16/CA-125 and galectin-3 to inhibit oncogenic properties in serous ovarian cancer

M. Stasenko, T.D. Rao, F. Weis-Garcia and D. Spriggs

Memorial Sloan Kettering Cancer Center, New York, NY, USA

Abstract 26: Targeting the TIE2 pathway with a novel small molecule vascular endothelial protein tyrosine phosphatase (VE-PTP) inhibitor in high-grade serous ovarian cancer

L.P. Cobb1, A. Rickard2, J. Herbert3, G. Hanna3, G. Palmer3, S. Siamakpour-Reihani2, Z. Huang2, K. Peters1, C. Kontos2, A. Berchuck4 and A.A. Secord5

1Duke University School of Medicine, Durham, NC, USA, 2Duke University, Durham, NC, USA, 3Aerpio Therapeutics, Cincinnati, OH, USA, 4Duke University Medical Center, Durham, NC, USA, 5Duke Cancer Institute, Durham, NC, USA

EDUCATION FORUM V: PALLIATIVE CARE

ABSTRACT 27

3:30 p.m. – 5:00 p.m.

Abstract 27: Trends in place of death among gynecologic cancer patients in the United States

K. Hicks-Courant1, A. Melamed2 and J.A.A. Rauh-Hain2

1Tufts Medical Center, Boston, MA, USA, 2Massachusetts General Hospital, Boston, MA, USA
Monday, March 26, 2018

SUNRISE SEMINAR V: HEALTH CARE ECONOMICS
ABSTRACT 28
6:30 a.m. – 7:30 a.m.

Indicated presurgical testing is a priority to achieve high-quality, cost-effective oncologic health care delivery

Memorial Sloan Kettering Cancer Center, New York, NY, USA

SCIENTIFIC PLENARY V: FARR NEZHAT SURGICAL INNOVATION SESSION
SURGICAL DECISION MAKING IN ADVANCED OVARIAN CANCER
ABSTRACT 29
9:20 a.m. – 10:30 a.m.

Moving beyond “complete surgical resection” and “optimal”: Is low-volume residual disease another option?

B.L. Manning-Geist¹,2, K. Hicks-Courant³, A.A. Gockley⁴, R.M. Clark⁴, M.G. del Carmen⁵, J.O. Schorge⁶, N.S. Horowitz⁶, R.S. Berkowitz⁶, M.G. Muto⁷ and M.J. Worley Jr.⁸¹
¹Brigham and Women’s Hospital/Harvard Medical School, Boston, MA, USA, ²Massachusetts General Hospital, Boston, MA, USA, ³Tufts Medical Center, Boston, MA, USA, ⁴Harvard Medical School, Boston, MA, USA, ⁵Massachusetts General Hospital/Harvard University, Boston, MA, USA, ⁶Brigham and Women’s Hospital, Boston, MA, USA, ⁷Dana-Farber Cancer Institute, Boston, MA, USA, ⁸Brigham and Women’s Hospital/Harvard University, Boston, MA, USA

SUNRISE SEMINAR V: HEALTH CARE ECONOMICS
ABSTRACTS 30-34
11:30 a.m. – 12:30 p.m.

Abstract 30
Simvastatin has anti-tumorigenic effects in endometrial cancer via reversal of obesity-driven upregulation of lipid biosynthesis

L. West¹, L.H. Clark¹, S.R. Pierce¹, Y. Yin¹, Z. Fang¹, D. Lee¹, C. Zhou¹ and V.L. Bae-Jump¹
¹University of North Carolina at Chapel Hill, Chapel Hill, NC, USA

Abstract 31
Combination metformin and simvastatin treatment induces apoptosis in endometrial cancer cells in vitro and reduces premalignant and malignant endometrial lesions in vivo

J.S. Kim¹,² J. Turbov², R. Rosales², W.G. Watkin¹,², L.G. Thaete¹,² and G.C. Rodriguez¹,²
¹The University of Chicago Medicine, Chicago, IL, USA, ²NorthShore University HealthSystem, Evanston, IL, USA

Abstract 32
Overcoming platinum resistance in ovarian cancer by targeting pregnancy-associated plasma protein-a

D. Torres, X. Hou, L.K. Bale, E.P. Heinzen, M.J. Maurer, Q. Zhang, C.A. Conover and S.J. Weroha
Mayo Clinic, Rochester, MN, USA
Abstract 33  Expression of dopamine receptor D2 in endometrial tumors and the impact of DRD2 blockade on cancer proliferation

S.R. Pierce¹, M. Asher¹, Z. Fang¹, L. West¹, Y. Yin¹, V. Prabhu², C. Xu¹, C. Zhou¹ and V.L. Bae-Jump¹
¹University of North Carolina at Chapel Hill, Chapel Hill, NC, USA, ²Oncoceutics, Philadelphia, PA, USA

Abstract 34  Stromal cell expression of the receptor tyrosine kinase DDR2 promotes ovarian cancer metastasis

Washington University School of Medicine in St. Louis, St. Louis, MO, USA

FOCUSED PLENARY II: REDUCING COST AND PAIN
ABSTRACTS 35-39
11:30 a.m. – 12:30 p.m.

Abstract 35  Can the ASCO alternative payment model achieve cost savings in ovarian cancer care?

H.A. Moss¹, M. Dinan², M.V. Georgieva², L.H. Hendrix² and L.J. Havrilesky¹
¹Duke University Medical Center, Durham, NC, USA, ²Duke Cancer Institute, Durham, NC, USA

Abstract 36  Evaluation of financial toxicity in women with gynecologic malignancies: A cross-sectional study

E.M. Webster¹, S. Chatterjee², L. Gabor¹, R.M. Vattakalam¹, J.Y. Hou¹, A.I. Tergas¹ and J.D. Wright³
¹NYP/Columbia University Medical Center and Weill Cornell Medical College, New York, NY, USA, ²NYPH, Columbia University Medical Center, New York, NY, USA, ³Columbia University College of Physicians and Surgeons, New York, NY, USA

Abstract 37  Use of lay navigation in gynecologic oncology patients: A model to reduce costs

R.P. Rocconi¹, P. Sharma², A. Azuero², J.M. Scalici¹, J. Young Pierce¹, N.L. Jones¹, K.S. Bevis², E.E. Partridge², E. Kvale², G.B. Rocque² and M. Pisu²
¹Mitchell Cancer Institute, University of South Alabama, Mobile, AL, USA, ²University of Alabama at Birmingham, Birmingham, AL, USA

Abstract 38  A comparison of liposomal bupivacaine to bupivacaine HCl in tranversus abdominis planus block for abdominal gynecologic surgery: A randomized controlled trial

H. Ching¹, R.F. Atkins¹, E.R. Burton¹, M.I. Edelson², J.I. Sorosky² and M.S. Shahin²
¹Abington Memorial Hospital, Abington, PA, USA, ²Hanjani Institute for Gynecologic Oncology, Abington Memorial Hospital, Abington, PA, USA

Abstract 39  Impact of enhanced recovery after surgery (ERAS) protocol on postoperative pain control in chronic narcotic users

University of Alabama at Birmingham, Birmingham, AL, USA
FOCUSED PLENARY III: NEW INSIGHTS INTO RARE TUMORS
ABSTRACTS 40-44
11:30 a.m. – 12:30 p.m.

Abstract 40
KMT2D/MLL2 loss of function is a novel driver of disease recurrence in adult-type granulosa cell tumors of the ovary
The University of Texas MD Anderson Cancer Center, Houston, TX, USA

Abstract 41
Integrated genomic analyses distinguish leiomyosarcomas arising at distinct anatomic origins
M.L. Anderson¹ and A.J. Lazar²
¹Baylor College of Medicine, Houston, TX, USA, ²The University of Texas MD Anderson Cancer Center, Houston, TX, USA

Abstract 42
Single-course methotrexate and single-course combined methotrexate–dactinomycin: A phase III randomized controlled clinical trial in treatment of low-risk gestational trophoblastic neoplasm
L. Chen¹, R. Yin², L. Xi³, J. Jiang⁴, X. Li⁵, P. Qu⁶, B. Kong⁷, D. Ma⁸, X. Xie¹ and W. Lv¹
¹Women’s Hospital, School of Medicine, Zhejiang University, Zhejiang, China, ²West China Second University Hospital, Sichuan, China, ³Tongji Hospital of Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China, ⁴Qilu Hospital of Shandong University, Jinan, China, ⁵Shengjing Hospital of China Medical University, Shenyang, China, ⁶Tianjin Central Hospital of Gynecology Obstetrics, Nankai University, Tianjin, China, ⁷Tongji Hospital of Tongji Medical College, Wuhan, China

Abstract 43
The impact of uterine re-curettage on the number of chemotherapy courses in treatment of post molar gestational trophoblastic neoplasia: A randomized controlled study
R. Hemida¹, B.E. Deek¹, M. Arafa¹, E. Toson¹, E.L. Vos², C.W. Burger² and H.C.V. Doorn²
¹Mansoura University, Mansoura, Egypt, ²Erasmus University Medical Centre, Rotterdam, Netherlands

Abstract 44
Molecular profiling of ovarian germ cell tumors
M. Stasenko¹, A. Zehir¹, A. Snyder¹, D. Reales¹, D. DeLair¹, R.A. Soslow¹, N.R. Abu-Rustum¹, C.A. Aghajanian¹, D. Feldman¹ and D.B. Solit¹
¹Memorial Sloan Kettering Cancer Center, New York, NY, USA, ²Weill Cornell Medical College, New York, NY, USA

EDUCATION FORUM X: WELLNESS
ABSTRACTS 45-46
4:30 p.m. – 6:00 p.m.

Abstract 45
Career demands of gynecologic oncology have a substantial impact on family planning
M. Song¹, A. Kapoor¹, R. Isaksson Vogel², M.A. Geller² and D.G.K. Teoh²
¹University of Minnesota Cancer Center, Minneapolis, MN, USA, ²University of Minnesota, Minneapolis, MN, USA

Abstract 46
The career effects of parenting on female and male gynecologic oncologists
L.B. Beffa¹, A.R. Stuckey¹, E.K. Hill², A.K. Brown³, M.E. Gordinier⁴, C. Raker², M. Clark⁵ and K.M. Robison¹
¹Women & Infants Hospital, Brown University, Providence, RI, USA, ²University of Iowa, Iowa City, IA, USA, ³Hartford Hospital, Hartford, CT, USA, ⁴Norton Healthcare, Louisville, KY, USA, ⁵University of Massachusetts Medical Center, Worcester, MA, USA
Tuesday, March 27, 2018

SCIENTIFIC PLENARY VI: IMMUNO-ONCOLOGY
ABSTRACTS 47-51
7:30 a.m. – 8:30 a.m.

Abstract 47

Pembrolizumab in advanced recurrent endometrial cancer: A cost-effectiveness analysis

University of Alabama at Birmingham, Birmingham, AL, USA

Abstract 48

Predictors of early treatment discontinuation in ovarian cancer patients on checkpoint blockade immunotherapy

J. Boland¹, M. Martin¹, N. Zecca¹, A. Iasonos¹, Q. Zhou¹, C.A. Aghajanian¹,², P. Sabbatini¹,², K.A. Cadoo¹,² and D. Zamarin¹,²
¹Memorial Sloan Kettering Cancer Center, New York, NY, USA, ²Weill Cornell Medical College, New York, NY, USA

Abstract 49

Phase II study of pembrolizumab (pembro) combined with pegylated liposomal doxorubicin (PLD) for recurrent platinum-resistant ovarian, fallopian tube or peritoneal cancer

U.A. Matulonis¹, W. Barry¹, R.T. Penson², P.A. Konstantinopoulos¹, W. Luo¹, M.A. Hoffman³, N.S. Horowitz³, S. Farooq¹, D.S. Dizon¹, E. Stover¹, A.A. Wright¹,², S.M. Campos¹, C. Krasner⁷ and J.F. Liu¹
¹Dana-Farber Cancer Institute, Boston, MA, USA, ²Massachusetts General Hospital/Harvard University, Boston, MA, USA, ³Long Island Jewish Medical Center, New Hyde Park, NY, USA, ⁴Brigham and Women’s Hospital, Boston, MA, USA, ⁵Lifespan Cancer Institute, Rhode Island Hospital, Warren Alpert Medical School of Brown University, Providence, RI, USA, ⁶Harvard Medical School, Boston, MA, USA, ⁷Massachusetts General Hospital, Boston, MA, USA

Abstract 50

Phase II, two-stage study of avelumab in patients with microsatellite stable (MSS), microsatellite instable (MSI) and polymerase epsilon (POLE) mutated recurrent or persistent endometrial cancer

P.A. Konstantinopoulos¹, J.F. Liu¹, W. Barry¹, C. Krasner², M.K. Buss³, M.J. Birrer⁴, S. Farooq¹, S.M. Campos¹, E. Stover², S. Schumer³, A.A. Wright⁴, D.S. Dizon¹, W. Luo¹, R.T. Penson⁴, S.A. Cannistra³, G.F. Fleming⁸ and U.A. Matulonis¹
¹Dana-Farber Cancer Institute, Boston, MA, USA, ²Massachusetts General Hospital, Boston, MA, USA, ³Beth Israel Deaconess Medical Center, Boston, MA, USA, ⁴Massachusetts General Hospital/Harvard University, Boston, MA, USA, ⁵University of Alabama at Birmingham, Birmingham, AL, USA, ⁶Harvard Medical School, Boston, MA, USA, ⁷Lifespan Cancer Institute, Rhode Island Hospital, Warren Alpert Medical School of Brown University, Providence, RI, USA, ⁸University of Chicago Medical Center, Chicago, IL, USA

Abstract 51

Gene set enrichment clustering and the tumor microenvironment in primary high-grade serous ovarian cancer (HGSOC)

P. Cybulsk¹, A. Jimenez-Sanchez², K. LaVigne¹, T. Walther¹, H.A. Vargas¹, O. Zivanovic¹, B. Weigelt¹, E. Sala¹, M. Miller² and A. Snyder³
¹Memorial Sloan Kettering Cancer Center, New York, NY, USA, ²University of Cambridge, Cambridge, United Kingdom, ³Adaptive Biotechnologies, Seattle, WA, USA
Abstract 52

GOG 244, The lymphedema and gynecologic cancer (LEG) study: The association between the gynecologic cancer lymphedema questionnaire (GCLQ) and lower extremity lymphedema


¹Memorial Sloan Kettering Cancer Center, New York, NY, USA, ²Gynecologic Oncology Group Statistical and Data Center, Buffalo, NY, USA, ³University of Missouri, Columbia, MO, USA, ⁴Mercy Clinic - Women’s Oncology, Springfield, MO, USA, ⁵SGNO, Fort Worth, TX, USA, ⁶Abington Memorial Hospital, Abington, PA, USA, ⁷University of California, Irvine, Irvine, CA, USA, ⁸The University of Oklahoma, Oklahoma City, OK, USA, ⁹Women’s Cancer Center of Nevada, Las Vegas, NV, USA, ¹⁰University of North Carolina at Chapel Hill, Chapel Hill, NC, USA, ¹¹Women & Infants Hospital, Brown University, Providence, RI, USA, ¹²Lewis Cancer & Research Pavilion @ St. Joseph’s Candler, Savannah, GA, USA, ¹³The University of Arizona Cancer Center, Tucson, AZ, USA

Abstract 53

Patient-reported symptom burden and functional recovery before and after enhanced recovery after surgery (ERAS) implementation: A comparison between open and minimally invasive surgery

L.A. Meyer¹, Q. Shi¹, J.D. Lasala¹, A.M. Nick², M.D. Iniesta¹, A.M. Siverand¹, C. Corzo¹, X.S. Wang¹, K.H. Lu¹ and P.T. Ramirez¹

¹The University of Texas MD Anderson Cancer Center, Houston, TX, USA, ²St. Thomas Medical Partners, University of Tennessee Health Sciences Center, Nashville, TN, USA

Abstract 54

Gestational trophoblastic disease electronic consults: What do patients and physicians want to know?

R. Nitecki¹, N.S. Horowitz³, K.M. Elias², D.P. Goldstein³ and R.S. Berkowitz²

¹Brigham and Women’s Hospital/Harvard Medical School, Boston, MA, USA, ²Brigham and Women’s Hospital, Boston, MA, USA, ³Brigham and Women’s Hospital/Harvard University, Boston, MA, USA

Abstract 55

It’s like "magic": The mobile application for genetic information on cancer


University of Minnesota, Minneapolis, MN, USA

Abstract 56

Rethinking cervical cancer screening guidelines in an aging U.S. population

S.E. Dilley, J.A. O’Donnell, H.J. Smith, S. Bae and W. Huh

University of Alabama at Birmingham, Birmingham, AL, USA

Abstract 57

Patient-reported outcomes after surgery for endometrial carcinoma: Prevalence of lower extremity lymphedema after sentinel lymph node mapping (SLNM) compared to lymphadenectomy

M.M. Leitao Jr.¹, N.R. Gómez-Hidalgo³, A. Iasonos¹, Q. Zhou¹, M. Mezzancello¹, K. Chang¹, J. Ward¹, R.R. Barakat¹, D.S. Chi¹, K. Long Roche¹, Y. Sonoda¹, C.L. Brown¹, J.J. Mueller¹, G.J. Gardner¹, E. Jewell¹, V. Broach¹, O. Zivanovic¹, S.C. Dowdy³, A. Mariani⁷ and N.R. Abu-Rustum¹

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Abstract 58

A novel site-specific proteomic screening test for ovarian cancer in a large prospective multi-institutional clinical study

Mitchell Cancer Institute, University of South Alabama, Mobile, AL, USA

Abstract 59

Evidence for synthetic lethality between bevacizumab and chemotherapy in advanced, p53 null endometrial cancers

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Abstract 60

Randomized trial of adjuvant chemotherapy versus concurrent chemoradiotherapy in early-stage cervical cancer after radical surgery: A Chinese Gynecologic Oncology Group study (CSEM-002)

D. Weng1, H. Wang1, C. Zhu2, B. Cui3, C. Wang1, K. Li1, Q. Gao1, X. Cheng2, X. Yang3, J. Jiang3, Y. Zhang4, B. Kong5, X. Xie2 and D. Ma1
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Abstract 61

Come back in six months, or never? Defining surveillance and survivorship in gynecologic malignancies with an evidence-based approach

The University of Texas MD Anderson Cancer Center, Houston, TX, USA
FEATURED POSTERS

Abstract 62  Benign surgery performed by gynecologic oncologists: Is selection bias altering our ability to measure surgical quality?

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Abstract 63  Racial disparities in hereditary gynecologic cancer risk assessment: What and why?

University of Alabama at Birmingham, Birmingham, AL, USA

Abstract 64  The utility of preoperative PET/CT in the detection of extrauterine disease in high-risk endometrial cancer: A prospective study

K.I. Stewart¹, B. Chasen¹, W.D. Erwin¹, N.D. Fleming¹, S.N. Westin¹, M. Frumovitz¹, P.T. Ramirez¹, S.M. Dioun², K.H. Lu³, F. Wong¹ and P.T. Soliman¹
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Abstract 65  A comprehensive genomic analysis of neuroendocrine carcinoma of gynecologic and breast tumors

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Abstract 66  Development and validation of a risk calculator for adverse perioperative outcomes for women with ovarian cancer

S. Cham, A.I. Tergas, J.Y. Hou, C. St. Clair, C. V. Ananth, D.L. Hershman and J.D. Wright
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Abstract 67  Nedaplatin and paclitaxel compared with carboplatin and paclitaxel for patients with platinum-sensitive recurrent ovarian cancer

L. Ge¹, N. Li² and L.Y. Wu²
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Abstract 68

A subgroup of cases with a high immunogenic profile in homologous recombination-proficient high-grade serous ovarian carcinoma: Possible candidates for checkpoint blockade therapy


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Abstract 69

Cytoreductive surgery and hyperthermic intraperitoneal chemotherapy as initial treatment of ovarian, fallopian tube, and primary peritoneal cancer: Preliminary results of a phase II randomized clinical trial

T.P. Diaz-Montes, F. El-Sharkawy, V. Gushchin, H.S. Ryu, M. Sittig and A. Sardi

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Abstract 70

Utilization of preoperative PET-CT and pelvic MRI reduces multimodality therapy in the care of women with early-stage cervical carcinoma

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Abstract 71

Identification of ovarian cancer patients for immunotherapy by concurrent assessment of tumor mutation burden (TMB), microsatellite instability (MSI) status, and targetable genomic alterations (GA)

J. Feinberg, J.A. Elvin, S. Bellone and A.D. Santin

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Abstract 72

Evaluation of circulating tumor DNA in patients with endometrial cancer harboring somatic PIK3CA or KRAS mutations: A potential high-risk factor for recurrence


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Abstract 73

Tackling the opioid crisis: Reduced postoperative oral and intravenous opioid use after implementation of an enhanced recovery after surgery (ERAS) program in gynecologic oncology patients


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Abstract 74

GOG 8035: Nuclear BRCA1 loss may identify a poor prognostic subgroup of women with locally advanced cervical cancer treated with cisplatin-based chemoradiation: An NRG Oncology study

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Abstract 75

Initial safety and activity findings from a phase IB escalation study of mirvetuximab soravtansine, a folate receptor alpha (FRα-targeting antibody-drug conjugate (ADC), with pembrolizumab in platinum-resistant epithelial ovarian cancer (EOC) patients

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Abstract 76

Concordance of germline multigene panel testing with prior microsatellite instability and immunohistochemistry analyses in endometrial cancer patients

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Abstract 77

Sentinel lymph node mapping (SLNM) in endometrioid endometrial cancer: Does it work in the real world?

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Abstract 78

Germline BRCA mutation rate in Southern California Latina women

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Abstract 79

Phase I trial of Vigil® personalized engineered autologous tumor cells (EATC) in ovarian cancer

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Abstract 80
A prospective, randomized control trial evaluating the impact of backfill versus spontaneous voiding trial on discharge time for gynecologic oncology patients undergoing laparoscopic hysterectomy

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Abstract 81
Adoptive dendritic cell transfer following platinum-based chemotherapy extends overall host survival in a preclinical model of metastatic ovarian cancer

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Abstract 82
Zoptec: Phase III randomized controlled study comparing zoptarelin with doxorubicin as second line therapy for locally advanced, recurrent, or metastatic endometrial cancer (NCT01767155)

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Abstract 83
Vaginal brachytherapy is associated with improved overall survival in stage IB endometrioid endometrial carcinoma: A propensity matched, National Cancer Data Base study

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Abstract 84
Favorable tumor immunophenotype is associated with homologous recombination deficiency in ovarian carcinoma

C.B. Morse1, M.N. Toukatchy1, M.I. Harrell2, K.J. Agnew3, S.S. Bernards3, B.M. Norquist2, K. Pennington1, M.R. Kilgore1, R.L. Garcia1 and E.M. Swisher1
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Abstract 85
Comparative efficacy and tolerability of the PARP inhibitors, olaparib 300 mg tablets BID, niraparib 300 mg capsules QD and rucaparib 600 mg tablets BID as maintenance treatment in BRCA-mutated (BRCAm) platinum-sensitive relapsed ovarian

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Abstract 86

Immune checkpoint expression, microsatellite instability, and mutational burden: Identifying immune biomarker phenotypes in uterine cancer

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Abstract 87

Mutational burden, tumor immune checkpoint expression, and microsatellite instability in gynecologic malignancies: Implications for immune therapy

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Abstract 88

Improving the efficacy of PARP inhibition with a novel ATR inhibitor, ATRN119, in ovarian high-grade serous cancers

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Abstract 89

System-wide implementation of a perioperative practice-changing bundle to lower surgical site infections in gynecologic oncology: Outcome effect and impact of variations in compliance

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Abstract 90

CA-125 is a useful predictor of disease status in uterine carcinosarcoma

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