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. Slomovitz\textsuperscript{1,2}, V.L. Filiaci\textsuperscript{3}, R.L. Coleman\textsuperscript{4}, J.L. Walker\textsuperscript{5}, A.C. Fleury\textsuperscript{6}, L.L. Holman\textsuperscript{7} and D.S. Miller\textsuperscript{8}

\textsuperscript{1}University of Miami Sylvester Comprehensive Cancer Center, Miami, FL, USA, \textsuperscript{2}University of Miami Miller School of Medicine, Miami, FL, USA, \textsuperscript{3}Gynecologic Oncology Group Statistical and Data Center, Buffalo, NY, USA, \textsuperscript{4}The University of Texas MD Anderson Cancer Center, Houston, TX, USA, \textsuperscript{5}The University of Oklahoma, Oklahoma City, OK, USA, \textsuperscript{6}Women’s Cancer Center of Nevada, Las Vegas, NV, USA, \textsuperscript{7}The University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA, \textsuperscript{8}The 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. Dottino\textsuperscript{1}, Y. Jiang\textsuperscript{1}, S. Shah\textsuperscript{2}, J. Celestino\textsuperscript{1}, E. Watson\textsuperscript{3}, Q. Zhang\textsuperscript{1}, G. Chisholm\textsuperscript{1}, J. Burks\textsuperscript{1}, A. Mikos\textsuperscript{3}, K.H. Lu\textsuperscript{1} and M. Yates\textsuperscript{1}

\textsuperscript{1}The University of Texas MD Anderson Cancer Center, Houston, TX, USA, \textsuperscript{2}Baylor College of Medicine, Houston, TX, USA, \textsuperscript{3}Rice University, Houston, TX, USA

Abstract 3

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

R. Spencer\textsuperscript{1}, L.W. Rice\textsuperscript{1}, C.Y. Ye\textsuperscript{1} and S. Uppal\textsuperscript{2}

\textsuperscript{1}University of Wisconsin School of Medicine and Public Health, Madison, WI, USA, \textsuperscript{2}University of Michigan Health Systems, Ann Arbor, MI, USA
Abstract 4  Changes in the Affordable Care Act affecting women: Fiscal 2014-2017

E.J. Pavlik\textsuperscript{1}, M. Geiger\textsuperscript{2}, J.C. Dillon\textsuperscript{3}, C. Sheffer\textsuperscript{2}, T.E. Pavlik\textsuperscript{2}, E.A. Harvey\textsuperscript{2}, B. Wagner\textsuperscript{2}, Q. Yu\textsuperscript{2}, L.A. Baldwin\textsuperscript{3} and M.S. Johnson\textsuperscript{3}
\textsuperscript{1}University of Kentucky, Lexington, KY, USA, \textsuperscript{2}University of Kentucky College of Medicine, Lexington, KY, USA, \textsuperscript{3}University 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
\textit{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. Patel\textsuperscript{1}, A. Pyrzak\textsuperscript{2}, H. Williams\textsuperscript{2}, H. Coste\textsuperscript{1}, L.F. Zhang\textsuperscript{1}, R. Sadek\textsuperscript{1}, J.J. Wallbillich\textsuperscript{1}, S. Ghamande\textsuperscript{2} and B.J. Rungruang\textsuperscript{1}
\textsuperscript{1}Medical College of Georgia, Augusta, GA, USA, \textsuperscript{2}Georgia Regents University, Augusta, GA, USA

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. Mark\textsuperscript{1}, D. Phoenix\textsuperscript{1}, C.A. Gutierrez\textsuperscript{2}, K. Morrell\textsuperscript{1}, K.H. Eng\textsuperscript{1}, P.C. Mayor\textsuperscript{1}, S.N. Akers\textsuperscript{1}, S.B. Lele\textsuperscript{1}, K. Odunsi\textsuperscript{1}, O. DeLeon\textsuperscript{1}, P.J. Frederick\textsuperscript{1} and E. Zsiros\textsuperscript{1}
\textsuperscript{1}Roswell Park Cancer Institute, Buffalo, NY, USA, \textsuperscript{2}University of Buffalo, Buffalo, NY, USA

Abstract 8  Opioid use in gynecology oncology patients after minimally invasive hysterectomy

E. Weston\textsuperscript{1}, C. Raker\textsuperscript{3}, D. Huang\textsuperscript{3}, A.B. Parker\textsuperscript{1}, K.M. Robison\textsuperscript{2} and C.A. Mathews\textsuperscript{3}
\textsuperscript{1}Johns Hopkins School of Medicine, Baltimore, MD, USA, \textsuperscript{2}Women & Infants Hospital, Brown University, Providence, RI, USA, \textsuperscript{3}University 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-Hain\textsuperscript{1}, A. Melamed\textsuperscript{2}, L.A. Meyer\textsuperscript{1} and M.G. del Carmen\textsuperscript{3}
\textsuperscript{1}The University of Texas MD Anderson Cancer Center, Houston, TX, USA, \textsuperscript{2}Massachusetts General Hospital, Boston, MA, USA, \textsuperscript{3}Massachusetts 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. Huang⁵, L.R. Boyd⁶ 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-Rustum⁴
¹The University of Texas MD Anderson Cancer Center, Houston, TX, USA, ²Laval University, L’Hôpital-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’Hôpital-Dieu de Quebec, Quebec City, QC, Canada, ⁴Laval University, L’Hôpital-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. Zhang², 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. Nevadunsky³, D. Smotkin³, H.O. Smith³, 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-Secord1, M.I. Liang2, 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

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. Hanna2, G. Palmer2, S. Siamakpour-Reihani2, Z. Huang3, K. Peters3, C. Kontos2, A. Berchuck1 and A.A. Secord9
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
**SUNRISE SEMINAR V: HEALTH CARE ECONOMICS**

**ABSTRACT 28**

6:30 a.m. – 7:30 a.m.

Abstract 28

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.

Abstract 29

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. Clark5, M.G. del Carmen5, J.O. Schorge2, N.S. Horowitz6, R.S. Berkowitz6, M.G. Muto7 and M.J. Worley Jr.8

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

**FOCUSED PLENARY I: PRECLINICAL AND TRANSLATIONAL MEDICINE**

**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. Lee2, C. Zhou1 and V.L. Bae-Jump1

1University of North Carolina at Chapel Hill, Chapel Hill, NC, USA, 2Omic Insight, LCC, Durham, 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 transversus abdominis planus block for abdominal gynecologic surgery: A randomized controlled trial
H. Ching1, R.F. Atkins1, E.R. Burton2, 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
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. Ma⁷, 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. Deck¹, 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. Cadoò¹,² 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. Wright¹,⁶, S.M. Campos¹, C. Krasner⁷ and J.F. Liu¹

¹Dana-Farber Cancer Institute, Boston, MA, USA, ²Massachusetts General Hospital/Harvard University, Boston, MA, USA, ³Beth Israel Deaconess 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, ⁵, S. Farooq¹, S.M. Campos¹, E. Stover¹, S. Schumér¹, A.A. Wright², D.S. Dizon¹, W. Luo¹, R.T. Penson⁴, S.A. Cannistra³, G.F. Fleming⁶ 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. Cybulska¹, A. Jimenez-Sanchez², K. LaVigne¹, T. Walther¹, H.A. Vargas¹, O. Zivanovic¹, B. Weigel¹, 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
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
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R. Nitecki, N.S. Horowitz, K.M. Elias, D.P. Goldstein and R.S. Berkowitz
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

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University of Minnesota, Minneapolis, MN, USA

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University of Alabama at Birmingham, Birmingham, AL, USA

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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

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

¹Moffitt Cancer Center-University of South Florida, Tampa, FL, USA, ²Gynecologic Oncology Group Statistical and Data Center, Buffalo, NY, USA, ³New York University School of Medicine, New York, NY, USA, ⁴University of Iowa Carver College of Medicine, Iowa City, IA, USA, ⁵Weill Cornell Medical College, New York, NY, USA, ⁶University of Iowa Hospitals and Clinics, Iowa City, IA, USA, ⁷The University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA, ⁸Washington University School of Medicine in St. Louis, St. Louis, MO, USA, ⁹Duke Cancer Institute, Durham, NC, USA, ¹⁰University of California Irvine Medical Center, Orange, CA, USA, ¹¹Women & Infants Hospital, Brown University, Providence, RI, USA, ¹²The Ohio State University, James Cancer Hospital, Columbus, OH, USA, ¹³Rush University Medical Center, Chicago, IL, USA

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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. Zhang³, B. Kong³, X. Xie² and D. Ma¹
¹Tongji Hospital of Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China, ²Women’s Hospital, School of Medicine, Zhejiang University, Zhejiang, China, ³Qilu Hospital, Shandong University, Jinan, China

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E.L. Barber¹, A.L. Alexander¹, S. Shahabi² and E.C. Rossi³
¹Northwestern University Feinberg School of Medicine, Chicago, IL, USA, ²Western CT Health Network/Danbury Hospital, Danbury, CT, USA, ³University of North Carolina at Chapel Hill, Chapel Hill, NC, USA

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K.I. Stewart¹, B. Chasen¹, W.D. Erwin¹, N.D. Fleming¹, S.N. Westin¹, M. Frumovitz¹, P.T. Ramirez¹, S.M. Dioun², K.H. Lu¹, F. Wong¹ and P.T. Soliman¹
¹The University of Texas MD Anderson Cancer Center, Houston, TX, USA, ²Montefiore Medical Center, Bronx, NY, USA

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P.C. Mayor¹, L. Gay², K. Fan³, P.J. Frederick¹, R.N. Eskander¹, J. Sun², J.S. Ross³, R. Kurzrock⁶, S.N. Akers¹, S.B. Lele¹, K. Odunsi¹, E. Zsiros¹ and J.A. Elvin²
¹Roswell Park Cancer Institute, Buffalo, NY, USA, ²Foundation Medicine, Inc., Cambridge, MA, USA, ³University of Buffalo, Buffalo, NY, USA, ⁴UCSD Rebecca and John Moores Cancer Center, La Jolla, CA, USA, ⁵Albany Medical College, Albany, NY, USA, ⁶University of California San Diego, La Jolla, CA, USA

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S. Cham, A.I. Tergas, J.Y. Hou, C. St. Clair, C. V. Ananth, D.L. Hershman and J.D. Wright
NYP/Columbia University Medical Center, New York, NY, USA

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L. Ge¹, N. Li² and L.Y. Wu²
¹National Cancer Center/Cancer Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China, ²Cancer Hospital, Chinese Academy of Medical Sciences, Beijing, China
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K. Hasegawa¹, H. Matsushita², K. Oda³, S. Yamamoto⁴, K. Asada⁵, A. Yabuno⁶, A. Nishijima², T. Karasaki², Y. Ikeda¹, K. Fujiwara¹, H. Aburatani¹ and K. Kakimi²

¹Saitama Medical University International Medical Center, Hidaka, Japan, ²The University of Tokyo Hospital, Tokyo, Japan, ³Research Center for Advanced Science and Technology, The University of Tokyo, Tokyo, Japan

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Mercy Medical Center, Baltimore, MD, USA

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E.J. Diver¹, E.M. Hinchcliff, A.A. Gockley², A. Melamed¹, L. Contrino¹, S. Feldman¹ and W.B. Growdon²
¹Massachusetts General Hospital, Boston, MA, USA, ²Harvard Medical School, Boston, MA, USA, ³Brigham and Women's Hospital, Boston, MA, USA

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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. Feinberg¹, J.A. Elvin², S. Bellone¹ and A.D. Santin¹
¹Yale University School of Medicine, New Haven, CT, USA, ²Foundation Medicine, Inc., Cambridge, MA, USA

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D. Shintani¹, T. Hihara², A. Ogasawara³, A. Yabuno³, K. Fujiwara³, K. Tai² and K. Hasegawa¹
¹Research Center for Genomic Medicine, Saitama Medical University, Hidaka, Japan, ²Tsukuba Research Laboratories, Eisai Co., Ltd, Tsukuba, Japan, ³Saitama Medical University International Medical Center, Hidaka, Japan

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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

H.J. Gray¹, C. Rind¹, E.S. Wu¹, B.A. Goff², H.K. Tamimi¹, K. Pennington² and R.R. Urban¹
¹University of Washington Medical Center, Seattle, WA, USA, ²University of Washington School of Medicine, Seattle, WA, USA
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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


¹University of California Irvine Medical Center, Orange, CA, USA, ²Gynecologic Oncology Group Statistical and Data Center, Buffalo, NY, USA, ³University of Arizona Cancer Center, Phoenix, AZ, USA, ⁴University of California, Irvine, CA, USA, ⁵St. Joseph’s Hospital and Medical Center, Urbana, IL, USA, ⁶Indiana University School of Medicine, Indianapolis, IN, USA, ⁷The University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA, ⁸SUNY Downstate, Brooklyn, NY, USA, ⁹Women & Infants Hospital, Providence, RI, USA, ¹⁰Gynecologic Cancer Center of Excellence, John P. Murtha Cancer Center, Walter Reed National Military Medical Center, Uniformed Services University of the Health Sciences, Annandale, VA, USA, ¹¹Massachusetts General Hospital/Harvard University, Boston, MA, USA

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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

U.A. Matulonis¹, K.N. Moore², L.P. Martin³, I.B. Vergote⁴, C.M. Castro⁵, L. Gilbert³, A. Berkenblit⁷, M.J. Birrer⁶ and D.M. O’Malley⁶

¹Dana-Farber Cancer Institute, Boston, MA, USA, ²The University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA, ³Fox Chase Cancer Center, Philadelphia, PA, USA, ⁴University Hospital Leuven, Leuven, Belgium, ⁵Massachusetts General Hospital, Boston, MA, USA, ⁶McGill University Health Centre, Montreal, QC, Canada, ⁷ImmunoGen, Inc., Waltham, MA, USA, ⁸Massachusetts General Hospital/Harvard University, Boston, MA, USA, ⁹The Ohio State University, James Cancer Hospital, Columbus, OH, USA

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

K. Jasperson¹, C.R. Espenschied¹, H. Hampel², P. Reineke¹, T. Pesaran¹, V. Speare¹, J. Profato¹ and I.M. Frayling³

¹Ambry Genetics, Aliso Viejo, CA, USA, ²The Ohio State University Comprehensive Cancer Center, Columbus, OH, USA, ³Cardiff University, Cardiff, United Kingdom

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O. Valieva¹, D.M. Greer², J.F. Kram², E. Schmit³, E.L. Dickson¹ and S.A. Kamelle²

¹Aurora Health Care, Gurnee, IL, USA, ²Aurora Health Care, Milwaukee, WI, USA

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Germline BRCA mutation rate in Southern California Latina women

L.J. Hong¹, R. Gonzalez², S. Abu-Tabikh², L. Cristiano², J. Unternaehrer-Hamm¹ and Y.J.M. Ioffe¹

¹Loma Linda University School of Medicine, Loma Linda, CA, USA, ²Loma Linda University Medical Center, Loma Linda, CA, USA

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R.P. Rocconi¹, J.M. Scalici¹, M. Barve³, L. Manning³, G. Wallraven³, N. Senzer³ and J. Nemunaitis³

¹Mitchell Cancer Institute, University of South Alabama, Mobile, AL, USA, ²Texas Oncology, P.A., Dallas, TX, USA, ³Gradalis, Inc., Dallas, TX, USA
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M.R. Davis¹, K.E. Barletta², A.T. Ford³, R. Nitecki², K.M. Elias⁴, M.J. Worley Jr.¹, R.S. Berkowitz⁴, M.G. Muto⁵, N.S. Horowitz⁴ and C.M. Feltmate⁴
¹Brigham and Women’s Hospital/Harvard University, Boston, MA, USA, ²Brigham and Women’s Hospital/Harvard Medical School, Boston, MA, USA, ³Emory University, Atlanta, GA, USA, ⁴Brigham and Women’s Hospital, Boston, MA, USA, ⁵Dana-Farber Cancer Institute, Boston, MA, USA

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

A. Buskwofie¹, E. Teran-Cabanillas², T. Sandoval Medina² and J.R. Cubillos-Ruiz²
¹NYPH, Columbia University Medical Center and Weill Cornell Medical College, New York, NY, USA, ²Weill Cornell Medical College, New York, NY, USA

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D.S. Miller¹, A. Oaknin², R.M. Wenham³, A.M. Oza⁴, I.B. Vergore⁵, A. Westermann⁶, D.L. Tait⁷ and H. Gabra⁸
¹The University of Texas Southwestern Medical Center, Dallas, TX, USA, ²GEICO (Grupo Espanol de Investigacion en Cancer de Ovario), Barcelona, Spain, ³H. Lee Moffitt Cancer Center & Research Institute, Tampa, FL, USA, ⁴Princess Margaret Cancer Centre, University Health Network, Toronto, ON, Canada, ⁵University Hospital Leuven, Leuven, Belgium, ⁶Academic Medical Centre, Amsterdam, Netherlands, ⁷Levine Cancer Institute, Carolinas Medical Center, Charlotte, NC, USA, ⁸Imperial College Healthcare NHS Trust, London, United Kingdom

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

M.M. AlHilli¹, S. Amarnath¹ and S.C. Dowdy²
¹The Cleveland Clinic Foundation, Cleveland, OH, USA, ²Mayo Clinic, Rochester, MN, USA

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

C.B. Morse¹, M.N. Toukatly¹, M.I. Harrell², K.J. Agnew³, S.S. Bernards³, B.M. Norquist³, K. Pennington³, M.R. Kilgore¹, R.L. Garcia¹ and E.M. Swisher¹
¹University of Washington Medical Center, Seattle, WA, USA, ²University of Washington, Seattle, WA, USA, ³University of Washington School of Medicine, Seattle, WA, USA

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A. Sackeyfio¹, F. Nussey², M. Friedlander³ and E. Pujade-Lauraine³
¹AstraZeneca, Cambridge, United Kingdom, ²Western General Hospital, Edinburgh, United Kingdom, ³Prince of Wales Hospital, Randwick, Australia, ⁴Hôpital Hotel Dieu, Paris, France
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**Immune checkpoint expression, microsatellite instability, and mutational burden: Identifying immune biomarker phenotypes in uterine cancer**

N.L. Jones¹, J. Xiu², T. Herzog³ and I. Winer⁴  
¹Mitchell Cancer Institute, University of South Alabama, Mobile, AL, USA, ²Caris Life Sciences, Irving, TX, USA, ³UC Health Barrett Cancer Center, Cincinnati, OH, USA, ⁴Wayne State University, Detroit, MI, USA

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I. Winer¹, N.L. Jones², J. Xiu³, A. Ellerbrock³, J. Brown⁴ and T. Herzog⁵  
¹Wayne State University, Detroit, MI, USA, ²Mitchell Cancer Institute, University of South Alabama, Mobile, AL, USA, ³Caris Life Sciences, Irving, TX, USA, ⁴Levine Cancer Institute, Carolinas Medical Center, Charlotte, NC, USA, ⁵UC Health Barrett Cancer Center, Cincinnati, OH, USA

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E. George¹, H. Kim², L.R. Butler³, M.A. Morgan³, O. Gilad³, E.J. Brown¹ and F. Simpkins²  
¹Hospital of the University of Pennsylvania, Philadelphia, PA, USA, ²University of Pennsylvania, Philadelphia, PA, USA, ³Atrin Pharmaceuticals, Doylestown, PA, USA

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University of Wisconsin School of Medicine and Public Health, Madison, WI, USA

Abstract 90  
**CA-125 is a useful predictor of disease status in uterine carcinosarcoma**

M.S. Ross¹, C.K. Chandler¹, E. Elishaev¹, N. Siripong², J. Berger¹, J.L. Kelley III¹ and S.E. Taylor¹  
¹Magee-Womens Hospital of UPMC, Pittsburgh, PA, USA, ²University of Pittsburgh/Magee-Womens Hospital, Pittsburgh, PA, USA