

Curriculum Vitae

Entidhar Al Sawah, MD

Assistant Professor

University of South Florida Morsani College of Medicine
Department of Obstetrics and Gynecology
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Current Position

7/2017- Present Assistant Professor
Department of Obstetrics and Gynecology
University of South Florida Morsani College of Medicine

Education

2013-2017 University of South Florida Department of Obstetrics and
Gynecology, Residency
2005-2009 Iraqi and Arabic Board of Obstetrics and Gynecology, Residency
1995-2001 Doctor of Medicine MD
Tikrit University College of Medicine, Iraq

Previous Positions

Jan 11-May 13 Post-doctoral Research Fellow
Moffitt Cancer Center, Department of Women Oncology
Feb 07-Aug 07 Teaching Assistant
Baghdad University Al-Kindy College of Medicine
Department of Obstetrics and Gynecology
Sep 04-Mar 05 Teaching Assistant
Baghdad University Al-Kindy College of Medicine
Department of Physiology
Oct 03-Sep 04 Teaching Assistant
Tikrit University College of Medicine
Department of Obstetrics and Gynecology

Publications

Peer-Reviewed

1. **Al Sawah E**, Salemi JL, Hoffman M, Imudia AN, Mikhail E. Association between Obesity, Surgical Route, and Perioperative Outcomes in Patients with Uterine Cancer. *Minim Invasive Surg.* 2018 Jun 19;2018:5130856. doi: 10.1155/2018/5130856. PubMed PMID: 30018822

2. Tamhane N, **Al Sawah E**, Mikhail E. Total Laparoscopic Hysterectomy in the Setting of Prior Bilateral Renal Transplant, a Case Report and Review of the Literature. *Surg Technol Int*. 2018 Jun 1;32:139-143. PubMed PMID: 29791697
3. **Al Sawah E**, Plosker SM, Mikhail E. Laparoscopic Hemi-hysterectomy and Trachelectomy in a Case of Herlyn-Werner-Wunderlich Syndrome. *Surg Technol Int*. 2016 29; PubMed PMID: 27466877.
4. **Sawah EA**, Marchion DC, Xiong Y, Ramirez IJ, Abbasi F, Boac BM, Bush SH, Bou Zgheib N, McClung EC, Khulpateea BR, Berry A, Hakam A, Wenham RM, Lancaster JM, Judson PL. The Chinese herb polyphyllin D sensitizes ovarian cancer cells to cisplatin-induced growth arrest. *J Cancer Res Clin Oncol*. 2015 Feb;141(2):237-42. PubMed PMID: 25164128
5. Stickles XB, Marchion DC, Bicaku E, **Al Sawah E**, Abbasi F, Xiong Y, Bou Zgheib N, Boac BM, Orr BC, Judson PL, Berry A, Hakam A, Wenham RM, Apte SM, Berglund AE, Lancaster JM. BAD-mediated apoptotic pathway is associated with human cancer development. *Int J Mol Med*. 2015 Feb 5. PubMed PMID: 25653146.
6. Marchion DC, Xiong Y, Chon HS, **Al Sawah E**, Zgheib NB, Ramirez IJ, Abbasi F, Stickles XB, Judson PL, Hakam A, Gonzalez-Bosquet J, Wenham RM, Apte SM, Berglund AE, Lancaster JM. Gene expression data reveal common pathways that characterize the unifocal nature of ovarian cancer. *Am J Obstet Gynecol*. 2013 Aug 9. PubMed PMID: 23933223.
7. **Al Sawah E**, Chen X, Marchion DC, Xiong Y, Ramirez IJ, Abbasi F, Bou Zgheib N, Chon HS, Wenham RM, Apte SM, Judson PL, Lancaster JM. Perifosine, an AKT inhibitor, modulates ovarian cancer cell line sensitivity to cisplatin-induced growth arrest. *Gynecol Oncol*. 2013 Jul 20. PubMed PMID: 23877012.
8. Judson PL, **Al Sawah E**, Marchion DC, Xiong Y, Bicaku E, Zgheib NB, Chon HS, Stickles XB, Hakam A, Wenham RM, Apte SM, Gonzalez-Bosquet J, Chen DT, Lancaster JM. Characterizing the efficacy of fermented wheat germ extract against ovarian cancer and defining the genomic basis of its activity. *Int J Gynecol Cancer*. 2012 Jul;22(6):960-7. PubMed PMID: 22740002.
9. Zgheib NB, Xiong Y, Marchion DC, Bicaku E, Chon HS, Stickles XB, **Sawah EA**, Judson PL, Hakam A, Gonzalez-Bosquet J, Wenham RM, Apte SM, Cubitt CL, Chen DT, Lancaster JM. The O-glycan pathway is associated with in vitro sensitivity to gemcitabine and overall survival from ovarian cancer. *Int J Oncol*. 2012 Jul;41(1):179-88. PMID: 22552627.
10. Bansal N, Marchion DC, Bicaku E, Xiong Y, Chen N, Stickles XB, **Sawah EA**, Wenham RM, Apte SM, Gonzalez-Bosquet J, Judson PL, Hakam A, Lancaster JM. BCL2 antagonist of cell death kinases, phosphatases, and ovarian cancer sensitivity to cisplatin. *J Gynecol Oncol*. 2012 Jan;23(1):35-42. PubMed PMID: 22355465.
11. Marchion DC, Bicaku E, Xiong Y, Zgheib NB, **Al Sawah E**, Stickles XB, Judson PL, Lopez AS, Cubitt CL, Gonzalez-Bosquet J, Wenham RM, Apte SM, Berglund A, Lancaster JM. A novel c-Met inhibitor, MK8033, synergizes with carboplatin plus

paclitaxel to inhibit ovarian cancer cell growth. Oncol Rep. 2013 Mar 5. PubMed PMID: 23467907.

Oral Presentation

1. **Entidhar Al Sawah**. Issues in sexual health, intimacy, menopause and women's cancer survival and their impact on women's wellbeing. Lunch conversation at the ACOG annual meeting, April 24, 2020.
2. **Entidhar Al Sawah**, Emad Mikhail. Total Laparoscopic Hysterectomy in Patient with Bilateral Renal Transplant; Video Presentation at the 46th AAGL Global Congress of Minimally Invasive Gynecology; Washington, D.C. November 14, 2017
3. **Entidhar Al Sawah**, Teaching Neonatal Circumcision for USF OB/Gyn Residents Using a Simulated Training Model. 2015 and 2016
4. **Entidhar Al Sawah**, Jason L Salemi, Anthony N Imudia, Mitchel Hoffman, and Emad Mikhail. The Recent Trends Towards MIS for Hysterectomy Performed for Uterine Cancer and its Association with BMI and Perioperative Morbidity; Presentation at the 45th AAGL Global Congress of Minimally Invasive Gynecology; Orlando, FL, November 16, 2016.
5. **Entidhar Al Sawah**, The Recent Trends Towards MIS for Hysterectomy Performed for Uterine Cancer and its Association with BMI and Perioperative Morbidity; Presentation at the FL ACOG District XII Annual District Meeting; Scientific Sessions; Orlando, FL, August 12, 2016.
6. **Entidhar Al Sawah**, Jason L Salemi, Anthony N Imudia, Mitchel Hoffman, and Emad Mikhail. The Recent Trends Towards MIS for Hysterectomy Performed for Uterine Cancer and its Association with BMI and Perioperative Morbidity; Presentation at the USF OBGYN Resident Research Day, June 17, 2016.
7. **Entidhar Al Sawah**, Marchion DC, Xiong Y, Ramirez IJ, Abbasi F, Bou Zgheib N, Stickles XB, Judson PL, Wenham RM, and Lancaster JM. A novel strategy to identify ovarian cancer molecular signaling pathways and drug repurposing candidates. SGO 44th Annual Meeting, March 9-12, 2013, Los Angeles, CA. Plenary Presentation #7.

Poster Presentation

1. **Entidhar Al Sawah**, Jason L Salemi, Papri Sarkar, Anthony N Imudia, Mitchel Hoffman, and Emad Mikhail. The Association between Perioperative Outcomes and BMI among patients who underwent TLH for Uterine Cancer; Poster Presentation at the ACOG Annual Scientific and Clinical Meeting, May, 2017, San Diego, CA
2. **Entidhar Al Sawah**, Shelly Holmstrom, and Branko Miladinovic. Teaching Neonatal Circumcision Using a Simulated Training Model. Poster presentation at the CREOG APGO Annual Meeting, March 8-11, 2017, Orlando, Florida

3. Emad Mikhail, Jason L Salemi, **Entidhar AlSawah**, Anthony N Imudia, Mitchel Hoffman. The Association Between Surgical Routes for Hysterectomy and Perioperative Outcomes Among Morbidly Obese Patients with Uterine Cancer. Presentation at Minimally Invasive Surgery Week 2016, SLS Annual Meeting ,SRS Annual Meeting, August 31-September 3, 2016, Westin Copley Place, Boston, Massachusetts
4. **Entidhar D. Al Sawah**, Patricia L. Judson, Douglas C. Marchion, Yin Xiong, Stephen Bush, Sachin Apte, Johnathan M. Lancaster Exploring the Potential Anti-Proliferative Effects of Avemar®, Quercetin, and Polyphyllin; Three Natural Products against Ovarian Cancer and Defining their Molecular Basis of Response. Poster presentation at the Society of Gynecologic Oncology 47th annual meeting, March 2016, San Diego, CA
5. **Entidhar Al Sawah**, Emad Mikhail, Shayne M. Plosker. Laparoscopic Hemi-hysterectomy and Trachelectomy in a Case of Herlyn-Werner-Wunderlich Syndrome. Poster presentation at the University of South Florida Research Day, February 2016
6. **Entidhar Al Sawah**, Yin Xiong, Bernadette M. Boac, Forough Abbasi, Douglas C. Marchion, Ingrid J. Ramirez, Stephen H. Bush, E,Clair McClung, Patricia L. Judson, Johnathan M. Lancaster, AKT survival signaling as a determinant of ovarian cancer chemoresistance and clinical outcome, Poster presentation at the Society of Gynecologic Oncology 46th annual meeting, March 2015, Chicago, Illinois. Poster # 436
7. Ingrid J. Ramirez, Marchion Douglas C., Yin Xiong, Forough Abbasi, Bernadette M. Boac, Stephen H. Bush, E,Clair McClung, **Entidhar Al Sawah**, Sachin M. Apte, Johnathan M. Lancaster, Repurposing Artesunate, an anti-malarial, for ovarian cancer treatment; mechanistic insights from cell line models. Poster presentation at the Society of Gynecologic Oncology 46th annual meeting, March 2015, Chicago, Illinois. Poster # 515
8. Douglas C. Marchion, Roohi Ismail-Khan, Forough Abbasi, Bernadette M. Boac, Yin Xiong, E,Clair McClung, **Entidhar Al Sawah**, Stephen H. Bush, Ardeshir Hakam, Johnathan M. Lancaster, AKT survival signaling and phosphor-AKT expression are associated with triple negative breast cancer development and clinical outcome, Poster presentation at the Society of Gynecologic Oncology 46th annual meeting, March 2015, Chicago, Illinois. Poster # 340
9. **Entidhar Al Sawah**, MD, Patricia Judson MD. Ovarian Tumors in Young Women. Poster presentation at the University of South Florida Research Day, February 2015. Poster #27
10. **Entidhar Al Sawah**, Douglas C. Marchion, Yin Xiong, Forough Abbasi, Ingrid J. Ramirez, Stephen H. Bush, Nadim BouZgheib, Sachin M. Apte, Johnathan M. Lancaster, and Patricia L. Judson, MD; Polyphyllin D, a Chinese herb, potentiates

cisplatin-induced death in ovarian cancer cell lines. Poster presentation at the Society of Gynecologic Oncology 45th annual meeting, March 2014, Tampa, FL. Poster #484

11. Forough Abbasi, Douglas C. Marchion, Yin Xiong, Stephen H. Bush, **Entidhar Al Sawah**, Sarah Al Rubaish, Ingrid J Ramirez, Nadim Bou Zgheib, Robert M. Wenham and Johnathan M. Lancaster, HSP90 inhibition decreases ovarian cancer cell proliferation and potentiates platinum-sensitivity; poster presentation at the Society of Gynecologic Oncology 45th annual meeting, March 2014, Tampa, FL. Poster #301
12. Stephen H. Bush, Douglas C. Marchion, Ingrid J. Ramirez, **Entidhar Al Sawah**, Nadim Bou Zgheib, Bernadette Boac, Forough Abbasi, Yin Xiong, Patricia L. Judson, Sachin Apte, Robert M. Wenham, and Johnathan M. Lancaster; The BCL2 antagonist of cell death (BAD) apoptotic pathway as a cervical cancer therapeutic target, poster presentation at at: Moffitt Scientific Symposium May 2014, Tampa, FL. Poster #70.
13. **Al Sawah E**, Marchion DC, Xiong Y, Ramirez IJ, Abbasi F, Bou Zgheib N, Hakam A, Wenham RM, Lancaster JM, and Judson PL. Molecular characterization of Polyphyllin D, a Chinese herb that sensitizes ovarian cancers cells to platinum therapy. SGO 44th Annual Meeting, March 9-12, 2013, Los Angeles, CA. Poster #317.
14. Bou Zgheib N, Xiong Y, Marchion DC, Stickles XB, **Al Sawah E**, Judson PL, Gonzalez-Bosquet J, Wenham RM, Apte SM, and Lancaster JM. Pathways involved in Doxorubicin sensitivity in-vitro correlate with overall survival from ovarian cancer. SGO 44th Annual Meeting, March 9-12, 2013, Los Angeles, CA. Poster #331.
15. Marchion DC, Ramirez IJ, Xiong Y, **Al Sawah E**, Abbasi F, Bou Zgheib N, Stickles XB, Gonzalez-Bosquet J, Wenham RM, and Lancaster JM. An innovative in silico method to identify agents that target pathways of human cancer chemoresistance. SGO 44th Annual Meeting, March 9-12, 2013, Los Angeles, CA. Poster #391.
16. Ramirez IJ, Marchion DC, Xiong Y, **Al Sawah E**, Boac BM, Bou Zgheib N, Stickles XB, Hakam A, Apte SM, and Lancaster JM. Identifying drug re- purposing opportunities to target genes and molecular pathways associated with cancer cell proliferation. SGO 44th Annual Meeting, March 9-12, 2013, Los Angeles, CA. Poster #392.
17. Bou Zgheib N, Marchion DC, Xiong Y, **Al Sawah E**, Ramirez IJ, Judson PL, Gonzalez-Bosquet J, Wenham RM, Apte SM, and Lancaster JM. MK2206, a selective AKT inhibitor, modulates ovarian cancer cell line sensitivity to carboplatin plus paclitaxel. SGO 44th Annual Meeting, March 9-12, 2013, Los Angeles, CA. Poster #329.
18. **Al Sawah E**, Marchion DC, Xiong Y, Chen X, Bou Zgheib N, Ramirez IJ, Abbasi F, Boac B , Judson PL, Gonzalez-Bosquet J, Wenham RM, Apte SM and Lancaster JM. Perifosine, an AKT inhibitor, modulates ovarian cancer cell line sensitivity to cisplatin induced growth arrest. USF Research Day February 22nd, 2013, Tampa, FL. Poster #27.

19. Ramirez I J, Dzung M, Marchion DC, **Al Sawah E**, Siddique A, Bou Zgheib N, Stickles XB, Apte S, Wenham RM, and Lancaster JM. The BCL2 Antagonist of Cell Death (BAD) apoptotic pathway and cervical cancer cell sensitivity to cisplatin. USF Research Day February 22nd, 2013, Tampa, FL. *Oral Presentation #2*.
20. Bou Zgheib N, Marchion DC, Xiong Y, **Al Sawah E**, Ramirez IJ, Judson PL, Gonzalez-Bosquet J, Wenham RM, Apte SM, and Lancaster JM. MK2206, a selective AKT inhibitor, modulates ovarian cancer cell line sensitivity to carboplatin plus paclitaxel. USF Research Day February 22nd, 2013, Tampa, FL. Poster #49.
21. **Al Sawah ED**, Judson PL, Marchion DC. Characterizing the activity of natural products against ovarian cancer and defining the molecular basis of response. Poster presented at: Moffitt Scientific Symposium May 2012; Tampa, FL.
22. Bouzgheib, N., Xiong, Y., Marchion, D., Li, X., Bicaku, E., Stickles X., **Al Sawah, E.**, Chon, H., Hakam, A., Lancaster, J. (2012, March). PLAC1 expression in human cancer cells correlates with carboplatin sensitivity and overall survival from ovarian cancer. Poster presented at: Society of Gynecologic Oncology Annual Meeting; Austin, TX.

Awards

1. ACOG district XII Florida, Outstanding Resident Research Award, 2nd place; August 13th, 2016; Orlando, Florida.
2. The Society for Academic Specialists in General Obstetrics and Gynecology (SAS GOG) Resident Award, 2016.
3. Best Oral Presentation, USF OBGYN Resident Research Day, June 17, 2016; with a scholarship to attend the FL ACOG District XII 2016 Annual District Meeting; Scientific Sessions, on August 12.
4. Moffitt cancer center, Cancer-Fighting Champion certificate in recognition of extraordinary support of research and patient care at Moffitt cancer. May 2014

Professional Certification

- Diplomate, fellow of the American Congress of Obstetrics and Gynecology, November 2019
- Certificate of the Educational Commission for Foreign Medical Graduates (ECFMG), April 2012

Volunteering and Teaching

1. Volunteering to give resident lecture regarding female sexual disorders, April 7, 2021
2. Medical students' simulation and evaluation for cervical exam, March 30, 2021 (at CAMLS)
3. GYN surgical simulation for Obgyn residents, March 31, 2021 (at CAMLS)
4. Translation of the Tdap ACOG poster and pamphlet from English to Arabic, as a part of the Underserved ACOG Committee, April 2020.

5. Breast Cancer Awareness lecture, Tampa Women Stars, Inc, October 20, 2019
6. Lecture, Diligence Eagerness Ambitious Resilience, Undergraduate American Medical Women's Association, USF, October 12, 2019
7. USF OB-Gyn Assisted vaginal delivery and shoulder dystocia simulation for the OB-Gyn residents for 4 hours. Tampa General Hospital, Tampa, FL, May 29th 2019.
8. The ACOG District XII Committee on Health Care for Underserved Women, Committee Member, October 2018-Present
9. The Refugee and Migrant Women's Initiative, guest speaker, Tampa, FL October 20th, 2018
10. USF undergraduate introductory lecture to women's health issues. USF Marshal Center, April 16th 2018
11. The BRIDGE free-run-student-clinic faculty volunteer, Morsani clinic. March 27th 2018
12. Internship at Moffitt Cancer Center: gynecologic oncology clinics, and operation room; lifetime screening clinics; radiotherapy and pathology departments, February 2011.
13. Full-time volunteering at the women oncology laboratory of the Moffitt Center as an international research fellow, March 2011 through January 2012.
14. Observorship in the Gyn/oncology clinic of the Moffitt Cancer Center, with Dr Sachin Apte, MD., MS., June 2012-June 2013.

Professional Societies

- Society of Gynecology Oncology (SGO) 2012-2016
- The American College of Obstetrics and Gynecology (ACOG) 2013-Present
- American Association of Gynecologic laparoscopists (AAGL), Global Congress on the Minimally Invasive Gynecologic surgery (MIGS) 2016-Present

Continued Medical Education

- USF Health Faculty Development, Presentation Skills, CAMLS, Tampa, FL, December 12th, 2018
- USF Health Faculty Development, Faculty Scientific Writing Workshop, CAMLS, Tampa, FL, November, 8th, 2017
- International Visiting Scholar Program at the Moffitt Cancer Center, February 2011

Laboratory Skills and Computer Skills

- Performance and reading of routine molecular techniques such as Western blot, PCR, immunofluorescence, transfection, tumor-line cell cultures, and MTS analysis.
- Excellent skills in using Microsoft Office Suite (Word, Excel, PowerPoint)
- Excellent skills in performing search for scientific literature on PubMed, Embase, Cochrane Library, Google Scholar and other databases.

Citizenship

- United States of America

Languages Proficiencies

- English
- Arabic