

THE OHIO STATE UNIVERSITY WEXNER MEDICAL CENTER

DEPARTMENT OF SURGERY GRAND ROUNDS

Research presentation in partial fulfillment for the Master of Medical Science degree:



Amblessed Onuma, MD

PGY-2, General Surgery Residency Training Program, OSU

Medical School: University of North Carolina, Chapel Hill NC

Undergraduate: University of North Carolina, Chapel Hill NC

Research Advisor: Allan Tsung, MD

“Preoperative exercise decreases the effects of surgical stress”

Manuscripts in Preparation:

Immune Checkpoint inhibitors in HCC: Current understanding on mechanisms of resistance and biomarkers for prognostication. **Amblessed Onuma**, MD; Allan Tsung, MD - **Invited review**

Manuscripts in Submitted.

High tumor associated macrophage density in the absence of tumor associated neutrophils predict worse outcomes in differentiated thyroid cancer. **Amblessed E. Onuma**, MD; Lynn Schoenfield, MD, Chengli Shen, PhD, Charity Edwards; John E. Phay, MD; Allan Tsung, MD; Lawrence A. Shirley, MD – **Under review**

Research Publications:

Onuma AE, Palmer Kelly E, Chakedis J, Paredes AZ, Tsilimigras DI, Wiemann B, Johnson M, Merath K, Akgul O, Cloyd J, Pawlik TM. Patient preferences on the Use of Technology in Cancer Surveillance following Curative Surgery: A Cross-Sectional Analysis. *Surgery*. 2019;165(4):782-8.

Onuma AE, Beal EW, Nabhan F, Hughes T, Farrar WB, Phay J, Ringel MD, Kloos RT, Shirley LA. Long-Term Efficacy of Lymph Node Reoperation for Persistent Papillary Thyroid Cancer: 13-Year Follow-up. *Ann Surg Oncol*. 2019;26(6):1737-43.

Kelly EP, Hyer JM, **Onuma AE**, Paredes AZ, Tsilimigras DI, Pawlik TM. Identifying subgroups of well-being among patients with cancer: Differences in attitudes and preferences around surveillance after curative-intent surgery. *J Surg Oncol*. 2019;120(2):125-31.

Book Chapters:

Neutrophil Elastase and Neutrophil Extracellular Traps in the Tumor Microenvironment. Hai Huang, Hongji Zhang, Amblessed E. Onuma, Allan Tsung. Springer Nature series "Advances in Experimental Medicine and Biology"

Research Oral & Poster Presentations Accepted to Date:

Preoperative exercise protects the liver from surgical stress by altering the immune environment. Oral Presentation at the Academic Surgical Congress Annual Conference- Orlando, FL. Feb 6, 2020.

Absence of tumor-associated neutrophils predict worse outcomes in differentiated thyroid cancer. Oral Presentation at the Academic Surgical Congress Annual Conference- Orlando, FL. Feb 4, 2019. QuickShot Oral Presentation.

Demystify NIH. Moderated panel discussion at OSU Department of Surgery Surgeon Scientist Retreat. May 29, 2019

Correlating Presence of Tumor Associated Macrophages and Neutrophils with Recurrence in Differentiated Thyroid Cancers. Oral presentation at OSUWMC Trainee Research Day. April 11, 2019

Patient Preferences on the Use of Technology in Cancer Surveillance After Curative-Intent Surgery. Oral Presentation at the Academic Surgical Congress Annual Conference- Houston, TX. Feb 4, 2019. QuickShot Oral Presentation.

Patient Perceptions about the Role of Spirituality and Religion During Cancer Treatment. Oral Presentation at the Academic Surgical Congress Annual Conference- Houston, TX. Feb 4, 2019. QuickShot Oral Presentation

Correlating Presence of Tumor Associated Macrophages and Neutrophils with Recurrence in Differentiated Thyroid Cancers. Oral presentation at 24th Annual Department of Surgery Research Day. May 30, 2019.

Research & Travel Awards:

National Institute of Allergy and Infectious Diseases of the National Institutes of Health
Ruth L. Kirchstein National Research Service Award
Advanced Research Training in Immunology for Surgical Trainees (ARTIST)
Grant Number: 1T32AI106704-01A1
Award Date: July 1, 2019 – June 30, 2020
Award Amount: \$50,760.00

National Institute of Allergy and Infectious Diseases of the National Institutes of Health
Ruth L. Kirchstein National Research Service Award
Advanced Research Training in Immunology for Surgical Trainees (ARTIST)
Grant Number: 1T32AI106704-01A1
Award Date: July 1, 2018 – June 30, 2019
Award Amount: \$49,188.00

Association for Academic Surgery (AAS) Basic Science/Translational Research Fellowship Award
Award Date: June 2019
Award Amount: \$20,000.00

American Society of Clinical Oncology (ASCO)
Resident Travel Award
Award Date: February 2019
Award Amount: \$1,500.00



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