

**Elisa Tso Bomgaars, M.D.**

**Ironwood Cancer and Research Centers**

**Division of Oncology and Hematology**

Lung, Head & Neck Malignancies, Myeloma & Lymphoma Subdivision

**Education:**

07/01/2001-06/30/2004            CLEVELAND CLINIC FOUNDATION  
Cleveland, Ohio 44195  
Hematology-Oncology Fellowship

07/01/1998-06/30/2001            CLEVELAND CLINIC FOUNDATION  
Cleveland, Ohio 44195  
Internal Medicine Residency

6/11/1990-04/30/1997            UNIVERSITY OF THE PHILIPPINES,  
COLLEGE OF MEDICINE  
Manila, Philippines

**Professional Experience:**

10/21/2013- Present            Physician, Ironwood Cancer & Research Centers,  
Glendale, AZ

07/01/2007- 10/18/2013            ONCOLOGY ASSOCIATES, PC  
Omaha, Nebraska 68114  
Staff Physician

07/01/2004-06/30/2007            HEARTLAND ONCOLOGY& HEMATOLOGY, LLP  
Council Bluffs, Iowa 51503  
Staff Physician

**Activities and Honors:**

Certifications:

**Medical Oncology**

Awards, Honors and Committees:

**Methodist Meaning of Care Award**

## **Professional Memberships:**

## **Publications.**

E Tso, R Baz, K Marchant, et al. Aspirin prophylaxis during treatment of multiple myeloma using liposomal doxorubicin, vincristine, decreased-frequency dexamethasone & thalidomide decreases post-treatment thrombosis. Poster presentation at the 2003 American Society of Clinical Oncology Annual Meeting.

E Tso, D Adelstein et al. Is the second primary malignancy an important competing cause of death in patients with squamous cell head and neck cancer? Poster presentation at the 2004 American Society of Oncology Annual Meeting.

M Markman, E Tso, et al. The real-life variability of CA 125 in ovarian cancer patients. Poster presentation at the 2004 American Society of Oncology Annual Meeting.

B Yoder, E Tso, M Skacel, et al. The Expression of Fascin, an Actin-Bundling Motility Protein, Correlates with Hormone Receptor–Negative Breast Cancer and a More Aggressive Clinical Course. Poster presentation at the 2004 San Antonio Breast Cancer Symposium. Published in Clin Cancer Res 2005 11: 186-192.

GT Budd, E Tso, et al. Using novel protein antibodies on tissue microarrays (TMAs) for breast cancer prognostication. Poster presentation at the 2004 American Society of Oncology Annual Meeting.

E Tso, R Schilz, et al. Demonstrated the usefulness of  
epoprostenol therapy for pulmonary hypertension in sarcoidosis.

Podium presentation at the American College of Chest Physicians 2000 Annual Meeting.

E Tso, G Hoffman, et al. Assessed the utility of magnetic resonance imaging in diagnosis and treatment of Takayasu's arteritis. Podium presentation at the American College of Rheumatology 63rd Annual Scientific Meeting and won Honorable Mention for poster presentation at the 1999 Ohio American College of Physicians Meeting. Published in Arthritis and Rheumatism Vol. 46, No. 6, June,2002, pp 1634-1642.

E Hsi, S Sup, C Alemany, E Tso, et al. MAL is expressed in a subset of Hodgkin lymphomas and identifies a population of patients with poor prognosis. Poster presentation at the 2004 American Society of Hematology Annual Meeting. Published in Am J Clin Pathol. 2006; 125(5): 776-782.

B Yang, BJ Yoder, AA Roma, L Wang, S Tarr, S Laniauskas, E Tso, T Choueiri, GT Budd, JP Crowe, DG Hicks. The loss of 14-3-3 sigma ( $\sigma$ ) protein expression in invasive adenocarcinoma of the breast is associated with promoter hypermethylation and a more favorable clinical outcome. Poster presentation at the 2005 San Antonio Breast Cancer Symposium.

GT Budd, BJ Yoder, SM Tarr, E Tso, et al. Comparison of ER and PR determination by pathologists vs an image analysis system. Poster presentation at the 2004 San Antonio Breast Cancer Symposium.

DG Hicks, SM Tarr, T Ruddy, M Skacel, E Downs-Kelly, BJ Yoder,

E Tso, et al. Expression of a cytoskeletal focal adhesion protein paxillin, in breast cancer; an immunohistochemistry (IHC) and image analysis study. Poster presentation at the 2004 San Antonio Breast Cancer Symposium

T Choueiri , BJ Yoder, E Tso, et al. Comparison of rabbit and murine monoclonal antibodies for immunohistochemical analysis of ER and PR. Poster presentation at the 2004 San Antonio Breast Cancer Symposium.

M Hussein, P Elson, E Tso, et al. Evaluated the effectiveness and tolerability of combined doxil, vincristine, decadron and thalidomide in relapsed/ refractory multiple myeloma. Poster presentation at the 2002 American Society of Hematology Annual Meeting.

*PHILIPPINE GENERAL HOSPITAL*

*Manila, Philippines*

05/05/1997-06/05/1998 A Balgos, E Tso, et al. Evaluated the use of flutter device Vs incentive spirometer in the reduction of perioperative complications of upper abdominal surgery.

1993-1994 E Tso, J Castaneda, et al, Pharmacology 201 Research, University of the Philippines. Compared the antipyretic effects of orally administered Tanglad (*Andropogon citratus*) leaf decoction and paracetamol on Brewer's yeast-induced pyrexia among male Sprague-Dawley rats.

1992-1993 E Tso, B Bautista, et al, Physiology 201 Research, University of the Philippines. Examined the effects of rice grain dust on the pulmonary function of male rice mill workers.

1992-1993.1 E Tso, E Balanag, et al, Biochemistry 203 Research, University of the Philippines. Elucidated the effects of vehicular emissions on bronchial lavage levels of alkaline phosphatase, lactate dehydrogenase, total proteins, and white blood cell counts in *Rattus rattus*.

**Research Trials:**

Sub investigator in Ironwood Cancer and Research Centers trials, please refer to website for details.

**Other Activities:**

Hobbies cooking, travel, reading