Stanford



Talayeh Ghezelayagh

Instructor, Obstetrics & Gynecology - Gynecologic Oncology

CLINICAL OFFICE (PRIMARY)

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Bio

BIO

Talayeh Ghezelayagh, M.D., M.P.H, is an Instructor in the Division of Gynecologic Oncology, Department of Obstetrics & Gynecology at Stanford University School of Medicine. She received her medical degree from the University of San Francisco, CA School of Medicine and earned a master's in public health at the Harvard T.H. Chan School of Public Health. She then completed residency in obstetrics and gynecology and a fellowship in gynecologic oncology at the University of Washington.

Dr. Ghezelayagh's research focuses on improving cancer risk predictions and health outcomes in patients at increased familial or genetic risk of gynecologic cancers. She is a clinically active gynecologic oncologist but spends much of her clinical work counseling and treating patients at higher risk for developing gynecologic cancers.

CLINICAL FOCUS

- Gynecologic Oncology

ACADEMIC APPOINTMENTS

- Instructor, Obstetrics & Gynecology - Gynecologic Oncology

PROFESSIONAL EDUCATION

- Fellowship: University of Washington Gynecologic Oncology Fellowship (2023) WA
- Board Certification: Obstetrics and Gynecology, American Board of Obstetrics and Gynecology (2022)
- Residency: University of Washington Obstetrics and Gynecology Residency (2019) WA
- Medical Education: University of California at San Francisco School of Medicine (2015) CA

Research & Scholarship

CLINICAL TRIALS

- A Study of PHST001 in Advanced Solid Tumors, Recruiting
- Molecular and Cellular Profiling of Uterine Lavage Collected During Gynecologic Surgery, Recruiting

Publications

PUBLICATIONS

- **Inhibition of the m6A RNA demethylase FTO radiosensitizes cervical cancer by enhancing DNA damage: Preclinical data on an emerging novel cancer therapeutic target**
  Adams, E., Kuganesan, N., Pu, L., Liang, B., Melemenidis, S., Richter, S., Jackson, S., Ghezelayagh, T., Kidd, E., Howitt, B., Graves, E., Rankin, E.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2026: S370-S371

- **Comparative outcomes of modified posterior pelvic exenteration and segmental rectosigmoid resection in cytoreductive surgery for advanced ovarian cancer**
  Tostrud, L., Somasegar, S., Zhang, J., Ghezelayagh, T., Turkmen, S., Karam, A.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2026: S262-S263

- **Surgery hurts: The burden of work-related pain and injuries among gynecologic oncologists**
  Adams, E., Ghezelayagh, T., Zhang, J., Litkouhi, B., Paraghamian, S.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2026

- **Uterine serous carcinoma and germline genetic testing: patterns of referral, completion and pathogenic variant detection.** *Journal of medical genetics*
  Tostrud, L., Turkmen, S. B., Zhang, J., Hodan, R., Kingham, K., Dorigo, O., Ford, J. M., Kurian, A. W., Ghezelayagh, T. S.
  2026

- **Contraception in the setting of gynecologic and breast dysplasia.** *Current opinion in obstetrics & gynecology*
  Beshar, I., Tostrud, L. J., Ghezelayagh, T., Blumenthal, P. D.
  2025

- **Early experience and assessment of real-world toxicities with mirvetuximab soravtansine in a heavily pretreated patient cohort with ovarian cancer.** *Gynecologic oncology reports*
  Lang, S. M., Vingopoulos, F., Beshar, I., Somasegar, S., Adams, E. V., Sasse, S. A., Ghezelayagh, T., McClung, E. C., Karam, A., Dorigo, O., Mruthyunjaya, P., Litkouhi, B.
  2025; 59: 101738

- **Germline genetic testing in patients with uterine serous carcinoma at a tertiary academic center.**
  Tostrud, L., Bagci Turkmen, S., Dorigo, O., Ford, J. M., Kingham, K., Kurian, A. W., Ghezelayagh, T.
  LIPPINCOTT WILLIAMS & WILKINS.2025: e17640

- **Outcomes for patients with platinum-sensitive recurrent ovarian cancer treated with prolonged PARP inhibitor therapy**
  Nief, C. A., Berek, J. S., Ghezelayagh, T.
  LIPPINCOTT WILLIAMS & WILKINS.2025: e17607

- **Robotic-assisted laparoscopic technique for splenectomy and pericolonic tumor removal in a patient with recurrent ovarian cancer**
  Rios-Doria, E., Ghezelayagh, T., Mcnevin, K., Park, J., Gray, H.
  BMJ PUBLISHING GROUP.2023: A266

- **Increased TP53 somatic evolution in peritoneal washes of individuals with BRCA1 mutations** *GYNECOLOGIC ONCOLOGY*
  Tee, X., Hazard, E., Latorre-Esteves, E., Kohrn, B. F., Ghezelayagh, T. S., Fredrickson, J., Coombes, C., Radke, M. R., Manhardt, E., Katz, R., Soong, T., Swisher, E. M., Norquist, et al
  2024; 190: 18-27

- **Prevention of Ovarian Cancer: Where are We Now and Where are We Going?** *Current oncology reports*
  Rodriguez, I. V., Ghezelayagh, T., Pennington, K. P., Norquist, B. M.

2024

- **TP53 somatic evolution in cervical liquid-based cytology and blood from individuals with and without ovarian cancer and BRCA1 or BRCA2 germline mutations.** *Oncogene*
  Ghezelayagh, T. S., Kohrn, B. F., Fredrickson, J., Krimmel-Morrison, J. D., Latorre-Esteves, E., Tee, X. R., Radke, M. R., Manhardt, E., Norquist, B. M., Katz, R., Swisher, E. M., Risques, R. A.
  2024

- **Incorporation of a social needs screening tool with subsequent social work support in a large-volume gynecologic oncology clinic**
  Ghezelayagh, T., Bang, D., Busch, T., Doll, K., Urban, R.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2023: S13-S14

- **Timing and duration of bevacizumab treatment and survival in patients with recurrent ovarian, fallopian tube, and peritoneal cancer: a multi-institution study** *EUROPEAN JOURNAL OF GYNAECOLOGICAL ONCOLOGY*
  Ghezelayagh, T. S., Wu, E. S., Barber, E. L., Dao, M. D., Zsiros, E., Urban, R. R., Gray, H. J., Goff, B. A., Shah, C. A., Neubauer, N. L., Dai, J. Y., Tanyi, J. L., Liao, et al
  2023; 44 (1): 17-25

- **Uterine Lavage Identifies Cancer Mutations and Increased TP53 Somatic Mutation Burden in Individuals with Ovarian Cancer** *CANCER RESEARCH COMMUNICATIONS*
  Ghezelayagh, T. S., Kohrn, B. F., Fredrickson, J., Manhardt, E., Radke, M. R., Katz, R., Gray, H. J., Urban, R. R., Pennington, K. P., Liao, J. B., Doll, K. M., Simons, E. J., Burzawa, et al
  2022; 2 (10): 1282-1292

- **TP53 mutations in Pap test DNA are a potential biomarker of ovarian cancer risk in high-risk women**
  Ghezelayagh, T., Fredrickson, J., Krimmel-Morrison, J., Kohrn, B., Radke, M., Manhardt, E., Katz, R., Norquist, B., Swisher, E., Risques, R.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2022: S125

- **Antiprogestins reduce epigenetic field cancerization in breast tissue of young healthy women** *GENOME MEDICINE*
  Bartlett, T. E., Evans, I., Jones, A., Barrett, J. E., Haran, S., Reisel, D., Papaikonomou, K., Jones, L., Herzog, C., Pashayan, N., Simoes, B. M., Clarke, R. B., Evans, et al
  2022; 14 (1): 64

- **Evaluation of TP53 mutations in Pap test and blood DNA as novel biomarkers of ovarian cancer risk**
  Ghezelayagh, T., Fredrickson, J., Krimmel-Morrison, J., Kohrn, B., Radke, M., Manhardt, E., Norquist, B., Swisher, E., Risques, R.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2022: E3

- **Evaluation of TP53 mutations in Pap test and blood DNA as novel biomarkers of ovarian cancer risk.**
  Ghezelayagh, T., Fredrickson, J., Krimmel-Morrison, J. D., Kohrn, B., Radke, M. R., Manhardt, E., Norquist, B. S., Swisher, E. M., Risques, R.
  AMER ASSOC CANCER RESEARCH.2021

- **Characterizing TP53 mutations in ovarian carcinomas with and without concurrent BRCA1 or BRCA2 mutations** *GYNECOLOGIC ONCOLOGY*
  Ghezelayagh, T. S., Pennington, K. P., Norquist, B. M., Khasnavis, N., Radke, M. R., Kilgore, M. R., Garcia, R. L., Lee, M., Katz, R., Leslie, K. K., Risques, R., Swisher, E. M.
  2021; 160 (3): 786-792

- **Perceptions of risk and reward in BRCA1 and BRCA2 mutation carriers choosing salpingectomy for ovarian cancer prevention** *FAMILIAL CANCER*
  Ghezelayagh, T. S., Stewart, L. E., Norquist, B. M., Bowen, D. J., Yu, V., Agnew, K. J., Pennington, K. P., Swisher, E. M.
  2020; 19 (2): 143-151

- **Comparing Mortality of Vaginal Sarcoma, Squamous Cell Carcinoma, and Adenocarcinoma in the Surveillance, Epidemiology, and End Results Database** *OBSTETRICS AND GYNECOLOGY*
  Ghezelayagh, T., Rauh-Hain, J., Growdon, W. B.
  2015; 125 (6): 1353-1361