



Kay Yoon-Flannery, DO

Breast Surgery

About Kay Yoon-Flannery

Dr. Kay Yoon-Flannery is a fellowship-trained breast surgical oncologist at the AtlantiCare Cancer Care Institute and Chief of Women's Oncology Services. She completed her General Surgery Residency at the University of Medicine and Dentistry of New Jersey and her Breast Surgical Oncology Fellowship at the University of Pennsylvania. Her path to medicine was sparked at an early age — and cemented by a determination to challenge bias and break barriers. Today, she combines leading-edge surgical expertise with a heartfelt commitment to patient-centered care.

Dr. Yoon-Flannery has been at the forefront of advancing drain-free breast surgery and is recognized nationally for her expertise in advanced approaches including nipple-sparing mastectomy, skin-sparing mastectomy, oncoplastic surgery, hidden-scar techniques, wireless localization and partial mastectomy. Her goal is to provide each patient with personalized treatment options that prioritize both outcomes and quality of life.

She is known for fostering open, compassionate dialogue with patients and families navigating breast cancer. Her motivation stems from their strength — and from the moments when she can share the powerful words, “Your cancer is gone.”

In addition to her clinical role, Dr. Yoon-Flannery is active in national leadership and quality initiatives. She serves as Chair of the Membership Engagement Committee for the American Society of Breast Surgeons, a site reviewer for the National Accreditation Program for Breast Centers and the Commission on Cancer and a fellowship program reviewer for the Society of Surgical Oncology.