Course Overview
When breast cancer patients prepare to undergo lumpectomy for tumor excision, consideration of the aesthetic appearance of the breast post-surgery is essential. Oncoplastic breast surgery represents the integration of plastic surgery techniques into breast cancer surgery in order to preserve an aesthetic outcome and quality of life for the patient while completely removing cancerous tissue.[1] The primary advantage of oncoplastic resection is the significantly lower positive margin rate and improved aesthetic outcome compared to the standard partial mastectomy.[2,3] Oncoplastic breast surgery can also be a more cost-effective option.[2]

Dr. Hughes discusses Level 1 oncoplastic surgery (OPS) which is performed when less than 20% of breast volume is excised [4]. Included in this presentation is a review of the history of oncoplastic breast surgery; current surgical techniques; and the use of implantable devices in preparation for lumpectomy, surgical biopsy, or radiation therapy.


Educational Objectives
At the conclusion of this activity, participants should be better able to:
- Discuss the evolution of oncoplastic breast surgery and its advantages compared to traditional partial mastectomy
- Describe various surgical techniques used in oncoplastic breast surgery
- Explain how the use of implantable devices assists the surgeon or radiation oncologist in tumor/excision site localization

This activity is supported by an independent educational grant from Hologic, Inc.
Joint Accreditation Statement
In support of improving patient care, this activity has been planned and implemented by the Postgraduate Institute for Medicine and International Center for Postgraduate Medical Education. Postgraduate Institute for Medicine is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.

Physician Continuing Medical Education
The Postgraduate Institute for Medicine designates this enduring material for a maximum of 1.0 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

SA-CME: This activity meets the criteria for self-assessment toward the purpose of fulfilling requirements in the American Board of Radiology (ABR) Maintenance of Certification Program.

The European Accreditation Council for CME (EACCME®)
The UEMS-EACCME® has mutual recognition agreements with the American Medical Association (AMA) for live event and e-learning materials.
For more information go to http://www.uems.eu/uems-activities/accreditation/eaccme.

Continuing Nursing Education
The maximum number of hours awarded for this Continuing Nursing Education activity is 1.0 contact hours.

Faculty
Kevin S. Hughes, MD, FACS
Co-Director, Avon Breast Evaluation Program
Massachusetts General Hospital
Professor of Surgery
Harvard Medical School

After completing medical school at Dartmouth Medical School, Dr. Hughes trained in General Surgery at Mercy Hospital of Pittsburgh, followed by a fellowship in Surgical Oncology at the National Cancer Institute.

Since that time, Dr. Hughes has been actively involved in the diagnosis and treatment of breast cancer. He is well-known for his research in finding the least amount of treatment necessary to obtain the best results, running a national trial on breast cancer in older women. The results have made it now a standard practice to avoid radiation in older women with early breast cancer. Dr. Hughes is now participating in a trial to extend these results to younger women with less aggressive disease. Dr. Hughes attempts to minimize the treatment needed in all aspects of breast cancer, using sentinel node biopsy, lumpectomy with oncoplastic techniques, genomic studies of tumors and nipple-sparing mastectomy and other minimally invasive techniques, and avoiding, where possible, radiation, axillary dissection, or chemotherapy.

Dr. Hughes is part of a team of specialists – surgeons, breast imagers, and pathologists - dedicated to the management of women (and some men) with breast problems. These dedicated faculty and staff work closely to rapidly screen, diagnose, and manage women who have breast lumps, abnormal mammograms, nipple discharge, breast cancer, and other breast problems, with the goal of providing the best possible treatment with the least amount of trauma and intervention.
Disclosure Information
Postgraduate Institute for Medicine (PIM) requires instructors, planners, managers and other individuals who are in a position to control the content of this activity to disclose any real or apparent conflict of interest (COI) they may have as related to the content of this activity. All identified COI are thoroughly vetted and resolved according to PIM policy. PIM is committed to providing its learners with high quality activities and related materials that promote improvements or quality in healthcare and not a specific proprietary business interest of a commercial interest.

Kevin S. Hughes, MD, has received fees for non-CME/CE services provided to Focal Therapeutics; Hologic, Inc.; and 23andMe. He also has ownership interest greater than 5% in Hughes Risk Apps, LLC.

ICPME and PIM planners and managers have no disclosures.

How to Enroll and Participate
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Participants have an implied responsibility to use the newly acquired information to enhance patient outcomes and their own professional development. The information presented in this activity is not meant to serve as a guideline for patient management. Any procedures, medications, or other courses of diagnosis or treatment discussed or suggested in this activity should not be used by clinicians without evaluation of their patient’s conditions and possible contraindications on dangers in use, review of any applicable manufacturer’s product information and comparison with recommendations of other authorities.