

# LumaGEM<sup>®</sup> MBI

Technology developed by Mayo Clinic

## Proven Clinical Results<sup>1</sup> The Density MATTERS trial

Molecular breast imaging and tomosynthesis to eliminate the reservoir of undetected cancer in dense breasts

### Participants

Henry Ford Health, West Bloomfield, MI  
Mayo Clinic, Rochester, MN  
Mayo Clinic Health System, La Crosse, WI  
MD Anderson Cancer Center, Houston, TX  
ProMedica Toledo Hospital, Toledo, OH



142% Increased Cancer Detection w/MBI

DBT Alone

12

DBT + MBI

29

**Hypothesis:** MBI, whether in combination with DBT or alone, will detect at least twice as many invasive cancers as DBT and will lead to fewer advanced cancers in the second year of screening, which are associated with higher breast cancer mortality.<sup>2</sup>

1. Molecular Breast Imaging Screening in Dense Breasts: Interim Analysis from the Density MATTERS Trial RSNA 2020: 106th Scientific Assembly and Annual Meeting  
2. Grant R01CA239200 | Division of Cancer Prevention