

- 1. Clinical usefulness of breast-specific gamma imaging as an adjunct modality to mammography for diagnosis of breast cancer: a systemic review and meta-analysis. Eur J Nucl Med Mol Imaging 2013 Feb;40(3):450-63.**
  - Meta-Analysis containing 19 high quality, peer-reviewed clinical papers consisting of 3,093 patients
  - BSGI is as sensitive as breast MRI in the detection of breast cancer, but provided higher specificity
  - The smallest malignancy detected by BSGI was 1mm
  - Current evidence suggests that BSGI is an extremely useful adjunct to mammography for its ability to identify breast cancer with a high diagnostic performance.
  
- 2. Breast molecular imaging: a retrospective review of one institutions experience with this modality and analysis of its potential role in breast imaging decision making. Breast J. 2012 Mar-Apr;18(2):111-7.**
  - Clinical data registry containing 416 patients
  - Sensitivity and specificity of 93% and 79% respectively.
  - Using BSGI, researchers were able to detect cancers as small as 1mm.
  - BSGI detected 29 cancers that were not obvious in the mammogram.
  
- 3. Usefulness of breast-specific gamma imaging as an adjunct modality in breast cancer patients with dense breast: a comparative study with MRI. Ann Nucl Med. 2012 Feb;26(2):131-7.**
  - In 66 patients there were 97 additional areas identified by the imaging studies and subsequently biopsied
  - The average size of the malignant lesions was 7.3mm.
  - BSGI and MRI were both positive in 23 of the 26 cancers.
  - BSGI was positive in only 7 of the 71 benign lesions while MRI was positive in 43
  
- 4. Results of a Multicenter Patient Registry to Determine The Clinical Impact of Breast-Specific Gamma Imaging, a Molecular Breast Imaging Technique. AJR:198, January 2012.**
  - 329 patient multicenter study
  - The sensitivity of BSGI was substantially higher than mammography 92% compared to 74%
  - BSGI was more likely than ultrasound to contribute to patient management
  - BSGI provided superior performance in terms of sensitivity, specificity, positive-predictive value and negative-predictive value.
  
- 5. Clinical Utility of Breast Specific Gamma Imaging For Evaluating Disease Extent in the Newly Diagnosed Breast Cancer Patient. The American Journal of Surgery, Vol 197, No 2, February 2009.**
  - 138 patients with a current cancer diagnosis who had BSGI conducted as part of their pre-treatment planning.
  - Additional was found in 11 percent of patients.
  - Six percent were in the same breast and 5 percent were in the opposite breast.