



Contrast-Enhanced Mammography Guided Biopsy – How do I Do It?

Dr. Rodrigo Alcantara Souza, MD

Contrast enhanced mammography-guided biopsy (CEM-GB) is a procedure developed to access lesions that present as suspicious enhancements after contrast administration and have no correlation in conventional imaging techniques (ultrasound, mammography or tomosynthesis).

CEM-GB uses the principles of stereotaxic biopsy, with an additional step: injection of iodinated contrast two minutes before the acquisition of the scout image. It is a recent promising alternative to percutaneous assessment of pathological enhancements, combining the precision of stereotaxic localization with the high sensitivity of contrast-enhanced mammography. This technique would allow the guidance of different interventional procedures of the breast, such as vacuum assisted biopsy (VAB), vacuum assisted excision (VAE), core-needle biopsy (CNB), marker placement and wire-needle presurgical localization (WNL). CEM-GB allows better availability and flexibility as it uses the same mammography room for its workflow. Additionally, it is a more comfortable and agile procedure, therefore better tolerated by patients. An overall review of the technique and suggested workflow will be made, with focus on the Hospital del Mar experience.

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