BRACCO FELLOWSHIPS - EDUCATION IN RESEARCH

Project 15:
Vacuum-assisted excision for diagnosis and treatment of lesions of uncertain malignant potential (B3 lesions): effectiveness and imaging follow-up

NAME OF INSTITUTION: Hospital Universitari Vall d'Hebrón, Barcelona/SPAIN

RESEARCH GROUP AND ITS MISSION:
The research group "Minimally invasive image-guided interventions for percutaneous diagnosis and treatment of breast lesions“ is a multidisciplinary team (breast radiologists, surgeons, pathologist and oncologists) dedicated to the study, implementation and development of percutaneous interventions, including image-guided tissue sampling, excision and thermal ablation for diagnosis and treatment of breast tumors. Its mission is to improve the treatment of patients offering less invasive, highly effective and safe alternatives to surgery.

OBJECTIVES:
- To acquire hands-on interventional skills on US, MRI and stereotactic guided vacuum assisted breast biopsies (VAB)
- To develop skills regarding percutaneous US-guided vacuum assisted excision (US-VAE) of benign and B3 breast lesions
- To get experience within a multidisciplinary Breast Cancer Unit with high volume of interventions
- To improve research knowledge and skills in order to produce a peer-review paper

APPLICANT’S DUTIES:
- To participate in planning and performing breast interventional procedures, in particular those in which VAB is used (guided by US, MRI and Stereotactic biopsy)
- To collect data from a cohort of patients treated by US-VAE for B3 lesions from the hospital and a primary care institution
- To review imaging of pre and post US-VAE treatment of papillomas and B3 lesions
To analyse data and to write a poster/paper considering percutaneous treatment of B3 lesions

**APPLICANT'S BENEFITS:**

- Participation on scientific outcomes of the project i.e. presentations to congresses or publications of papers
- Hands-on learning of breast interventions, in particular using VAB.
- Participation in a multidisciplinary Breast Cancer Unit with high volume of patients

Project Leader: Juan Pablo Salazar
Members: Radiologists (Ana Rodriguez, Juan Pablo Salazar, Neus Rus, Stefania Orlando, Joana Madureira, Marta Vera, Ignacio Miranda, Clara Tapia, Manuel Escobar), Surgeons (Martin Espinosa, Christian Siso, Javier de la Torre, Clara Morales, Joaquim Rivero) and Pathologist (Vicente Peg).