

5.1.6 Associated Groups

Plastic Surgery

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DESCRIPTION

The fields of research of our group are centered mainly in the development of new tools in microsurgery and supermicrosurgery and breast reconstruction.

In microsurgery and supermicrosurgery we are using a robot (Symani) in a multicentric study to monitor his efficacy and safety.

We form part of multicentric studies for breast reconstruction specifically for developing a hybrid reconstruction (fat and implants) and to confirm the efficacy of new implants. We are using different types of ADM to monitor their results and comparing them with other centers.

MAIN LINES OF RESEARCH

- Motiva Flora Tissue Expander – Hybrid breast reconstruction, pivotal study. Started in July 2023. It is a multicentric study where we are using this kind of expander (Motiva Flora) to develop a hybrid breast reconstruction with fat and implant.
- PRIMO Post-Market, Non-Randomized, Multi-centre PMCF Study To Monitor The Safety And Performance Of Symani System In Microsurgical Reconstructive Procedures In A Real Life Setting. It is a multicentric study in order to monitor the safety and the efficacy of the Symani Robot in microsurgery and supermicrosurgery. Thanks to this device we are improving the treatment of lymphedema both as a prophylactic treatment after axillary lymph node dissection in breast cancer and as a physiological treatment in cases where the lymphedema is already present.
- ABI: Research study to confirm the security of breast implants Motiva Anatomical TrueFixation – Started in July 2023.



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SCIENTIFIC PRODUCTION

- Abdelfattah U, Pons G, Masia J. Evaluating the Impact of Immediate Lymphatic Reconstruction for the Surgical Prevention of Lymphedema. *PLASTIC AND RECONSTRUCTIVE SURGERY*. 2023; 151(3):522e-523e. DOI:10.1097/PRS.00000000000009942. PMID:36730128. IF:3,600 (Q1/2D). Document type: Letter.
- Al AM, Bonfill X, Ardiles S, Bendersky J, Sola I, Masia J. Risk-of-bias assessment of the randomized clinical trials and systematic reviews on surgical treatments for breast cancer-related lymphedema: A mapping review. *Journal of Plastic Reconstructive and Aesthetic Surgery*. 2023; 84DOI:10.1016/j.bjps.2023.05.002. PMID:37329747. IF:2,700 (Q2/4D). Document type: Review.
- Casanovas A, Sebio R, Ciendones M, Cuartero J, Estanyol B, Padrós J, García B, Barnadas A, Masia J. Prehabilitation in Patients With Breast Cancer Receiving Neoadjuvant Therapy to Minimize Musculoskeletal Postoperative Complications and Enhance Recovery (PREOptimize): A Protocol for a Randomized Controlled Trial. *PHYSICAL THERAPY*. 2023; 103(9):pzad062. DOI:10.1093/ptj/pzad062. PMID:37318267. IF:3,200 (Q1/3D). Document type: Article.
- Fernández M, Torrano L, González J, Masia J, Sisternas L, D'Guilio G, Zamora P. To bulge or not to bulge: Rectus abdominis functional reconstruction after soft tissue sarcoma resection. *Journal of Plastic Reconstructive and Aesthetic Surgery*. 2023; 78DOI:10.1016/j.bjps.2022.11.051. PMID:36736105. IF:2,700 (Q2/4D). Document type: Letter.
- Martínez P, Linares PF, Masià J, Jané P, Monforte C. Temporal validation of a risk prediction model for breast cancer-related lymphoedema in European population: A retrospective study. *JOURNAL OF ADVANCED NURSING*. 2023; 79(12). DOI:10.1111/jan.15727. PMID:37269083. IF:3,800 (Q1/1D). Document type: Article.
- Torrano L, Zamora P, Ibarra A, Masià J, Sisternas L, Fernández M. Chimeric SCIP flap with iliac bone for reconstruction of foot first ray in a radiated surgical bed: A case report. *MICRO-SURGERY*. 2023; 43(4). DOI:10.1002/micr.31019. PMID:36748171. IF:2,100 (Q2/5D). Document type: Article.