

**Team leader:** Valerio De Santis

**Team members:** Maurizio Ressa, Daniela Anna, Andrea Armenio, Raffaella Massafra, Annarita Fanizzi, Annalisa Nardone, Serena Iacovelli, Bavaro Domenica

### **Background**

Reconstructive plastic surgery is a surgical specialty that cuts across all the specialist branches of surgery. It intervenes in support of oncological surgical demolition and tries to restore functionality and aesthetics of the anatomical territories affected by the tumor. The main activities carried out by the UOC of plastic surgery of our institute are in the field of post-oncological breast reconstruction, in the treatment of skin and soft tissue tumors and in gynecological and thoraco-abdominal reconstructions. The synergistic activity with the other surgical specialties is fundamental for the success of surgical interventions and to guarantee the patient the best chance not only in terms of "disease free survival" from oncological disease, allowing wider and more correct oncological demolitions, but also a better final "out come" of the quality of life by restoring the functionality and aesthetics of the organs and systems.

### **Main Projects:**

- Adipose Tissue Bank
- Prepectoral breast Reconstruction with polyurethane implant
- Artificial intelligence systems for the prediction of complications of patients with breast cancer undergoing radiotherapy after conservative surgery or mastectomy SS or SNS