

Part II- Clinical Research

The Department of Plastic Surgery is actively involved in a variety of clinical research endeavors. Projects include prospective randomized clinical trials, pilot studies with cutting edge clinical devices and therapies, retrospective chart reviews, quality improvement /cost effectiveness projects, review papers on prominent topics in plastic surgery, and academic education related research. Clinical research is supported by the robust resources provided by the Lerner Research Institute, including library, database, and statistical support access. We also have access to specialized facilities which provide services in the area of different tissue analysis.

Highlights from current clinical projects include a prospective clinical trial regarding pain management in breast reconstruction, pilot studies examining the sterility and safety of new outpatient surgical anesthetics, a multitude of retrospective studies utilizing the departments own internal breast reconstruction database, outcomes analysis in cosmetic surgery patients, cadaveric studies examining the effects of aging, and a wide array of expert opinion surveys assessing the current state and future of aesthetic surgery training.

CLINICAL PROJECTS			
PROJECT NUMBER	PROJECT TITLE	PRINCIPAL INVESTIGATOR (S)	RESEARCH CATEGORY
1	Complications of Contralateral Prophylactic Mastectomy with Tissue Expander Reconstruction and Potential Impact on Adjuvant Oncologic Therapy	Dr. Risal Djohan Dr. Rahul Tendulkar	Breast
2	The role of radiotherapy on long term outcomes of mastectomy and expander reconstruction	Dr. Risal Djohan Dr. Rahul Tendulkar	Breast
3	Nipple Sparing Mastectomy Followed by Abdominally Based Free Flap Breast Reconstruction: An Analysis of Quality of Life and Aesthetic Outcomes	Dr. Graham Schwarz	Breast
4	Comprehensive Analysis of Complications Following Abdominal Based Free Flap Breast Reconstruction at a Single Tertiary Care Institution	Dr. Steven Bernard	Breast
5	Comparison of Preoperative Quality of Life in Breast Reconstruction, Breast Aesthetic and Non-Breast Plastic Surgery Patients	Dr. Graham Schwarz	Breast
6	Quality of Life after breast reconstruction: What positively influences patient's satisfaction?	Dr. Andrea Moreira	Breast
7	Nipple reconstruction - Outcomes in different techniques	Dr. Graham Schwarz	Breast

8	Breast Reconstruction Following Breast Cancer in Very High Risk Patients: A Prospective Randomized Study	Dr. Risal Djohan	Breast
9	Postoperative Analgesia in Patient Undergoing Breast Reconstruction	Dr. Raymond Isakov	Breast
10	Breast Reconstruction after Mastectomy with Breast Implant in One Stage	Dr. Risal Djohan	Breast
11	Outcomes Assessment of Phenol-Croton Oil Peels	Dr. James Zins	Cosmetic
12	Objective Assessment of Facial Rejuvenation in Massive Weight Loss Patients	Dr. James Zins	Cosmetic
13	Skin Sterility After the Application of a Vapocoolant Spray	Dr. James Zins	Cosmetic
14	Application of a Vapocoolant Spray in a Minor Surgical Procedures	Dr. James Zins	Cosmetic
15	Syndromic Lipomatosis of the Head and Neck	Dr. James Zins	Cosmetic
16	Nasolabial Fold Subcision	Dr. James Zins	Cosmetic
17	Cadaver Neck Fat Study	Dr. James Zins	Cosmetic
18	Neck Fat Imaging Study	Dr. James Zins	Cosmetic
19	Safety of Abdominoplasty in the Elderly	Dr. James Zins	Cosmetic
20	Advances in Wound Healing	Dr. James Zins	Cosmetic
21	Facial Skin Thickness Variance with Aging	Dr. James Zins	Cosmetic
22	Iontophoretic Drug Delivery System	Dr. Frank Papay	Cosmetic
23	Intranasal Valve Reconstruction Model	Dr. Frank Papay	Cosmetic
24	Anatomical Hypoglossal Nerve Study	Dr. Frank Papay	Cosmetic
25	Allogeneic Bone Transplantation for Maxillofacial Bone Defects	Dr. Frank Papay Dr. Gaby Doumit	Craniofacial
26	Technology and Aesthetic Education Survey	Dr. James Zins	Technology and Education
27	Resident Views of the State of Aesthetic Education	Dr. James Zins	Education
28	Radiofrequency Technology for Hand Washing	Dr. Frank Papay	Technology