

Plastic and Reconstructive Surgery

Introduction

The Plastic and Reconstructive Surgery Division has chiefly focused on surgical reconstruction after cancer ablation. In our institution, reconstructive procedures using free flap transfer with microvascular anastomoses are the most important operations. Several other methods, such as tissue transfer with pedicled flap, local flap, skin grafts, etc., are also used for reconstructive surgery. The objectives of reconstructive surgery are not only morphological reconstruction, but also the restoration of postoperative function after ablative surgery. The quality of life (QOL) of the patient can be improved by functional and morphological reconstruction.

Routine Activities

Three plastic surgeons cover reconstructive operations both at the NCCH East in Kashiwa and at the NCCH in Tokyo, and train the residents in the two hospitals. Three to four reconstructive operations are performed every week.

These reconstructive surgeries are performed in cooperation with the surgeons from other divisions within the hospital, including Head and Neck Surgery, Orthopedic Surgery, Esophageal Surgery, Breast Surgery, Colorectal, and Urological Surgery. Of these, Head and Neck reconstruction is the most frequently performed operation, accounting for 68% of the reconstructive surgeries. In the Head and neck region, free jejunum grafting and the rectus abdominis musculocutaneous flap are the most frequently used procedures.

● M. Sakuraba ●

Cooperation with other divisions

	NCCH East	NCCH Tokyo	Total
Head & Neck surgery	127	52	179
Orthopedic surgery	----	36	36
Esophageal surgery	11	5	16
Breast surgery	6	2	8
Dermatology	----	6	6
Urologic surgery	5	0	5
HB&P surgery	1	3	4
Ophthalmic surgery	----	4	4
Colorectal surgery	1	1	2
Thoracic surgery	0	2	2
Gynecology	----	1	1
Total	151	112	263

HB&P: Hepatobiliary and pancreatic

Operative procedures

	NCCH East	NCCH Tokyo	Total
Microvascular free flap	110	55	165
Jejunum	40	23	63
RAMC	42	6	48
Anterolateral thigh	18	9	27
Fibula bone	3	9	12
Latissimus dorsi	1	5	6
Radial Forearm	4	2	6
Other flaps	2	1	3
Other microsurgery	19	11	30
Supercharge	8	1	9
Nerve graft	8	0	8
Limb salvage	0	6	6
Hepatic artery	1	3	4
Others	2	1	3
Subtotal	129	66	195
Pedicled flaps	10	23	33
PMMC	7	8	15
Latissimus dorsi	2	4	6
RAMC	0	5	5
Other flaps	1	6	7
Other procedures	25	32	57
Total	164	121	285

RAMC: rectus abdominis musculocutaneous