

Department of Plastic and Reconstructive Surgery

(Seoul National University Hospital)

1. Introduction

The Department of Plastic Surgery at Seoul National University College of Medicine was opened in 1975 for the purpose of performing cosmetic and reconstructive surgery and has continued to develop over the past half century, playing a leading role in the growth of Korean plastic surgery. Plastic surgery is a study that pursues two major purposes: reconstructive surgery, which restores various congenital deformities, trauma, and tissue defects that occur after tumor resection, and cosmetic surgery, which helps people surpass standard appearances.

The past head professors include the first professor Kim Jin Hwan (1973-1992), followed by Park Chul Gyu (1992-1998), Lee Yun-ho (1998-2004), Minn, Kyung Won (2004-2008), Kim Suk Wha (2008-2014), Kwon Sung Taek (2014-2018), Baek Rong Min (2018-2019), and currently, Professor Chang Hak (2019-present) is serving. The department comprises clinical and research faculties that encompass the entire spectrum of plastic surgery practice, with 17 full-time and clinical/medical professors, 8 fellows, 22 residents, and 10 master's and doctoral students in three hospitals: Seoul National University Hospital (SNUH), Seoul National University Bundang Hospital (SNUBH), and Boramae Medical Center (BMC).

At Seoul National University Hospital (SNUH), the clinical practices are divided mainly into three parts: the craniofacial/pediatric surgery, breast reconstructive surgery, hand and extremities/ micro-reconstructive surgery. There are also specialized centers and clinics, including the craniofacial center, aesthetic clinic, anti-aging clinic, scar clinic, and benign skin tumor clinic. In addition, basic research in various fields such as stem cells, drug development, regenerative medicine, biomaterials, and tissue engineering is actively being conducted, and medical school and graduate school students and majors are being educated.

Major Target Diseases and Research Fields

- Breast surgery: Breast reconstruction using autologous tissue and implants, Breast augmentation/ reduction/ mastopexy, nipple-areola-complex reconstruction
- Congenital anomaly: Congenital anomalies of the maxillofacial face such as cleft lip, cleft palate, craniosynostosis, and congenital hand and limb anomalies
- Facial nerve paralysis: Reconstruction of congenital and traumatic facial nerve paralysis
- Lymphedema: Lymphatic reconstruction surgery (lymphovenous anastomosis, lymph node transfer, liposuction)
- Lower limbs: Reconstruction of lower limbs from diseases such as diabetic feet
- Malignant and benign tumors: skin tumors, lipomas, neurofibromas, hemangiomas, etc.
- Cosmetic surgery: Two jaw surgery, facial contouring surgery, eyelid surgery, nose surgery, facelift, abdominal plastic surgery, liposuction, Botox, filler, etc.
- Scar: Steroid injection, scar revision surgery
- Others: burns, bedsores, etc.

For global visitors, the department of plastic and reconstruction surgery at SNUH can be the best option for education supported by one of the highest numbers of cases in the world as well as structured and active research activities, even for a short period.

2. Visiting fellowship program

This is an integrated practical education course which provides abundant experiences in plastic and reconstructive surgery of various fields within a few weeks and is purposed to let the trainee have a structured concept and knowledge of our clinical practices. The trainee is expected to learn the fundamental principles of reconstructive surgery mainly focused on craniofacial/pediatric surgery, breast reconstructive surgery, and hand and extremity surgery. We hope this experience from relatively large number of cases could be effectively applied to their own practice in their own practical fields. It is also expected that the introduction and discussions between the foreign trainees and the researchers at SNUH may develop new exciting collaborations between different countries.

1) Educational contents

- ① **Conferences:** Various conferences, including Staff lecture, Article review, Morbidity conference, Case review/preview, are held during the week days.
- ② **Operation:** The induction of operation starts at 8:00AM and the trainees can participate in the whole procedure of operation. Three operative rooms and two outpatient operative rooms are available and various operations are performed simultaneously.

OR	Time	Mon	Tue	Wed	Thu	Fri
RM 5-3	Morning	Sw	C	T	C	C
	Afternoon	B	C	Sw	H	J
RM 5-4	Morning		W		W	W
	Afternoon		W		W	
Pediatric RM10	Morning	T	J	Sw	J	B
	Afternoon	T	J	H	J	B
OPTL2	Morning	Sw	T	Sw	Resident	W
	Afternoon	C	W	C	B	J
Breast cancer center	Morning	W				
	Afternoon				Resident	
T: Kwon, Sung Tack C: Chang, Hak W: Jin, Ung Sik B: Kim, Byung Jun				Sw: Kim, Sang Wha J: Chung, Jee Hyeok H: Hong, Ki Yong		

- ③ **Post-operative care:** Inward post-operative dressing, complication management, ICU management
- ④ **Research meetings:** Discussions and reports of a variety of research activities by clinicians, basic lab, collaborating co-researchers

2) Curriculum



Short-term (2-4 weeks) program: Training of one of the three parts (craniofacial/pediatric surgery, breast reconstructive surgery, hand and extremities/ micro-reconstructive surgery) is recommended.

- ① Operation
 - Observation/Participation of about 40-50 operations
- ② Post-op care
 - Attendance of everyday ward rounds
- ③ Conferences
 - Attendance of weekly and monthly conferences
- ④ Research meeting
 - Participating 1-2 times

Long-term (6months-1year) program: Similar to short-term program, but more in-depth discussions and participation in operative procedures will be available. Long-term program is recommended rather than the short-term program for deeper understanding of our department.

3. Faculty Members of Department of Plastic and Reconstructive Surgery at SNUH

 <p>Sung-Tack Kwon, M.D. Ph.D.</p>	<p>Congenital anomaly, Hand, Eyelid surgery</p>
 <p>Hak Chang, M.D. Ph.D.</p>	<p>Head and neck reconstruction, Breast reconstruction, Facial reanimation, Lymphedema surgery, Facelift</p>
 <p>Ung Sik, Jin, M.D. Ph.D.</p>	<p>Breast reconstruction, Abdominoplasty</p>
 <p>Byung Jun Kim, M.D. Ph.D.</p>	<p>Congenital hand surgery, Reconstructive hand surgery, Craniosynostosis, Giant hairy nevus, Malignant melanoma, Eyelid surgery</p>
 <p>Sang Wha Kim, M.D. Ph.D.</p>	<p>Head and neck reconstruction, Lower extremity reconstruction, Skin cancer, Scar, Sore, Facial trauma</p>

 <p>Jee Hyeok chung, M.D. Ph.D.</p>	<p>Cleft lip, Cleft palate, Hemifacial microsomia, Two jaw surgery, Facial trauma</p>
 <p>Ki Yong Hong, M.D. Ph.D.</p>	<p>Breast reconstruction, Lymphedema surgery, Wound care, Abdominoplasty, Liposuction</p>

4. Contact point

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