

Senior Training Fellowship

1. Name: Rajinikanth J
2. Department: Dept of Head and Neck Surgery -2
3. Year of STF: 2017
4. Objectives stated in the application for STF:

Optimizing outcomes in pharyngeal reconstruction with emphasis on reconstruction of circumferential defects following total laryngo-pharyngectomy.

5. Center visited for STF & Mentor:
 - A) Dr. Peirong Yu, Dept of Plastic Surgery, MD Anderson Cancer center, Houston, Texas, USA
 - B) Dr. Mehrara Babak, Dept of Plastic Surgery, Memorial Sloan Kettering Cancer Center, Newyork, US

6. Short description of training:

- Observation (No hands –on) at operating room
- Participation at multi-disciplinary board meeting

Defects following total laryngo-pharyngectomy done for Ca hypopharynx are quite complex to reconstruct as they done mostly after radiotherapy and result in loss of speech

& swallowing. Even though gastric pullup was being done sporadically at our institute for these defects over the past 2 decades, the introduction of microvascular flaps in reconstructing these defects has brought in a paradigm change. The above two institutes have done pioneering work in this field and hence I choose these centers.

I got to observe approximately 10 such cases at both the centres and also got some time to spend at their Robotics lab (Da Vinci System).

Also this provided me an opportunity to enhance my skills at virtual surgical planning and 3D model based reconstruction of fibula for mandibular reconstruction.

Even though I chose to be observe at the Dept of plastic surgery at both the centres, I could spend considerable time at the Department of Head and neck Surgery to observe their techniques at resection.

7. Plans to implement objectives on return to CMC:

The requests for pharyngeal reconstruction from Dept of ENT have already increased since Oct 2017.

Planning to present a lecture on circumferential pharyngeal reconstruction at our monthly Head and Neck Academic meeting in Feb 2018, to introduce the concepts of reconstruction and their advantages in reducing the morbidity.

Date: 9.2.18

Signature



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