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Sally NG

Austin Health, Australia

The use of 3D printing in facial prosthetics for head and neck cancer reconstruction

3D printing (3DP) is a rapidly advancing tool that has revolutionized the field of plastic surgery. In the area of head and neck cancer reconstruction, 3DP allows surgeon to produce specific facial prosthesis to reconstruct the nose, eyes and ears. This helps the patient to reduce the stigamata associated with their cancer diagnosis. In the presentation, we will share our 3DP set up at the Austin Health and how to produce various facial prosthesis in our three cases studies.

Recent publications

1. Lim P., Li H., Neoh D., Ng S. Health related quality of life measurement tools for lymphoedema: A review of the literature. PRS open 2022 10:24276

2. Xiao WT, Ng S., Li H., Min P., Feng S., Su W., Zhang Y. An innovative and economical device for ischaemic preconditioning of forehead flap prior to pedicle division: A comparative study. J of Reconstructive Microsurgery 2022 March
3. Xu HL, Zhu Z., Chen J., Ng S., Xiao D., Pan J., Perdanasari T., Largo R., Wang X., Zhang YX. Identify unequal flow carry capabilities of choke vessels: a rat model study (accepted for minor revision)

Biography

Sally Ng graduated from Monash University (with honours) in 2005. She completed her specialist training in plastic and reconstructive surgery in 2016. She is the current head and neck reconstruction and research lead at the department of plastic and reconstructive surgery at Austin Health. Sally Ng has over 24 publications with a H-index of 4.

[e:sally.ng@austin.org.au](mailto:sally.ng@austin.org.au)