

## Supplementary material 2: literature review

A review of the relevant literature describing SCIP flap reconstruction for defects in the head and neck was undertaken and summarised. A keyword search for ‘SCIP’ OR ‘superficial iliac artery perforator’ AND ‘head and neck’ together with bibliographic review of identified publications was performed. All case reports and case series of head and neck reconstructions with free transfer of a SCIP flap were included. Narrative reviews and anatomical and imaging studies were excluded from the summary.

**Supplementary table 2. A summary of currently published cases of SCIP flap reconstruction for head and neck defects**

Reference	Year	Cases	Defect type	Centre
Koshima et al <sup>1</sup>	2004	8	SCIP + iliac crest flaps for osseocutaneous reconstruction	Okayama University, Okayama, Japan
Mihara et al <sup>2</sup>	2012	1	LN transfer neck	University of Tokyo, Tokyo, Japan
Iida et al <sup>3</sup>	2011*	1 (4)	Hemi-glossectomy	University of Tokyo, Tokyo, Japan
Iida et al <sup>4</sup>	2012*	2 (4)	External auditory canal	University of Tokyo, Tokyo, Japan
Iida et al <sup>5</sup>	2014*	2	Cutaneous facial defect	University of Tokyo, Tokyo, Japan
Iida et al <sup>5</sup>	2014*	3	Eyelid, pharynx, temporal bone	University of Tokyo, Tokyo, Japan
Iida et al <sup>5</sup>	2014*	12	Various, 1 pharyngeal defect	University of Tokyo, Tokyo, Japan
Iida et al <sup>6</sup>	2016*	8	Various	University of Tokyo, Tokyo, Japan
Iida et al <sup>6</sup>	2016*	5	Various	University of Tokyo, Tokyo, Japan
Yoshimatsu et al <sup>7</sup>	2018	6	Orbital floor, maxilla, temporal bone	University of Tokyo, Tokyo, Japan
Tashiro et al <sup>8</sup>	2015	3	Orbit, 2 facial defects	University of Tokyo, Tokyo, Japan
Goh et al <sup>9</sup>	2015	6	Cutaneous	Asan University Hospital, Seoul, South Korea
Goh et al <sup>9</sup>	2015	13	Various	Asan University Hospital, Seoul, South Korea
Jin et al <sup>10</sup>	2015	6	5 buccal, 1 mandibular	Ninth People's Hospital, Shanghai, China
Jin et al <sup>10</sup>	2015	1	Cutaneous	Ninth People's Hospital, Shanghai, China
He et al <sup>11</sup>	2015	15	Various	Ninth People's Hospital, Shanghai, China
He et al <sup>11</sup>	2015	3	Mucosal	Ninth People's Hospital, Shanghai, China
Ma et al <sup>12</sup>	2016	9	Tongue	Ninth People's Hospital, Shanghai, China
Feng et al <sup>13</sup>	2017	8	5 scalp, 3 mental region	Ninth People's Hospital, Shanghai, China
Hsu et al <sup>14</sup>	2007	1	Buccal region	Chi-Mei Foundation Hospital, Tainan City, Taiwan
Green et al <sup>15</sup>	2013	5	1 pharynx, 2 tongue, 1 floor of mouth, 1 buccal	Newcastle University Hospital, Newcastle, UK
Strobbe et al <sup>16</sup>	2015	2	1 tongue, 1 floor of mouth	Ghent, Belgium

\*Multiple publications with duplicate cases; 12 total summarised in 2014 publication; brackets for Iida case numbers include number of cases referred to in text but not presented.



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