

Supplemental Table 16. The top cited article by year from 2010 to 2019 for aesthetic surgery

| Year | Discipline | Top cited article | No. of citations |
|------|---------------------------|---|------------------|
| 2019 | Plastic surgery | Anatomy of the facial fat compartments and their relevance in aesthetic surgery [61] | 14 |
| 2018 | Plastic surgery | Plastic surgery-related hashtag utilization on Instagram: implications for education and marketing [62] | 40 |
| 2017 | Plastic surgery | Procedure, applications, and outcomes of autologous fat grafting [63] | 69 |
| 2016 | Infectious disease | Bacterial biofilm infection detected in breast implant-associated anaplastic large-cell lymphoma [64] | 158 |
| 2015 | Plastic surgery | Abdominoplasty: risk factors, complication rates, and safety of combined procedures [65] | 76 |
| 2014 | Plastic surgery | Autologous fat grafting: in search of the optimal technique [66] | 86 |
| 2013 | Plastic surgery | Development and psychometric evaluation of the FACE-Q satisfaction with appearance scale: a new patient-reported outcome instrument for facial aesthetics patients [67] | 93 |
| 2012 | Plastic surgery | Changes in the facial skeleton with aging: implications and clinical applications in facial rejuvenation [68] | 106 |
| 2011 | Obstetrics and gynecology | Female genital cosmetic and plastic surgery: a review [69] | 69 |
| 2010 | Plastic Surgery | Measuring patient-reported outcomes in facial aesthetic patients: development of the FACE-Q [70] | 138 |

REFERENCES

- 1. Shokri T, Stahl LE, Kanekar SG, et al. Osseous changes over time in free fibular flap reconstruction. Laryngoscope 2019; 129:1113-6.
- 2. Yang WF, Choi WS, Leung YY, et al. Three-dimensional printing of patient-specific surgical plates in head and neck reconstruction: a prospective pilot study. Oral Oncol 2018; 78:31-6.
- 3. Rohlfing ML, Mays AC, Isom S, et al. Insurance status as a predictor of mortality in patients undergoing head and neck cancer surgery. Laryngoscope 2017;127:2784-9.
- 4. Las DE, de Jong T, Zuidam JM, et al. Identification of independent risk factors for flap failure: a retrospective analysis of 1530 free flaps for breast, head and neck and extremity reconstruction. J Plast Reconstr Aesthet Surg 2016;69:894-906.
- 5. Zweifel DF, Simon C, Hoarau R, et al. Are virtual planning and guided surgery for head and neck reconstruction economically viable? J Oral Maxillofac Surg 2015;73:170-5.
- 6. Wu CC, Lin PY, Chew KY, et al. Free tissue transfers in head and neck reconstruction: complications, outcomes and strategies for management of flap failure: analysis of 2019 flaps in single institute. Microsurgery 2014;34:339-44.
- 7. Frederick JW, Sweeny L, Carroll WR, et al. Outcomes in head and neck reconstruction by surgical site and donor site. Laryngoscope 2013;123:1612-7.
- 8. Alves HR, Ishida LC, Ishida LH, et al. A clinical experience of the supraclavicular flap used to reconstruct head and neck defects in late-stage cancer patients. J Plast Reconstr Aesthet Surg 2012;65:1350-6.
- 9. Momoh AO, Yu P, Skoracki RJ, et al. A prospective cohort study of fibula free flap donor-site morbidity in 157 consecutive patients. Plast Reconstr Surg 2011;128:714-20.
- 10. Wong CH, Wei FC. Microsurgical free flap in head and neck reconstruction. Head Neck 2010;32:1236-45.
- 11. Stepan JG, Sacks HA, Lovecchio FC, et al. Opioid prescriber education and guidelines for ambulatory upper-extremity surgery: evaluation of an institutional protocol. J Hand Surg Am 2019;44:129-36.
- 12. Dwyer CL, Soong M, Hunter A, et al. Prospective evaluation of an opioid reduction protocol in hand surgery. J Hand Surg Am 2018;43:516-22.
- 13. Lalonde DH. Conceptual origins, current practice, and views of wide awake hand surgery. J Hand Surg Eur Vol 2017;42:886-95.
- 14. Johnson SP, Chung KC, Zhong L, et al. Risk of prolonged opioid use among opioid-naive patients following common

- hand surgery procedures. J Hand Surg Am 2016;41:947-57.
- 15. Stanek JJ, Renslow MA, Kalliainen LK. The effect of an educational program on opioid prescription patterns in hand surgery: a quality improvement program. J Hand Surg Am 2015;40:341-6.
- 16. Nikiphorou E, Carpenter L, Morris S, et al. Hand and foot surgery rates in rheumatoid arthritis have declined from 1986 to 2011, but large-joint replacement rates remain unchanged: results from two UK inception cohorts. Arthritis Rheumatol 2014;66:1081-9.
- 17. Lalonde DH, Wong A. Dosage of local anesthesia in wide awake hand surgery. J Hand Surg Am 2013;38:2025-8.
- 18. Griffin M, Hindocha S, Jordan D, et al. An overview of the management of flexor tendon injuries. Open Orthop J 2012;6:28-35.
- 19. Rinker B, Liau JY. A prospective randomized study comparing woven polyglycolic acid and autogenous vein conduits for reconstruction of digital nerve gaps. J Hand Surg Am 2011;36:775-81.
- 20. Esmaoglu A, Yegenoglu F, Akin A, et al. Dexmedetomidine added to levobupivacaine prolongs axillary brachial plexus block. Anesth Analg 2010;111:1548-51.
- 21. Offodile AC 2nd, Gu C, Boukovalas S, et al. Enhanced recovery after surgery (ERAS) pathways in breast reconstruction: systematic review and meta-analysis of the literature. Breast Cancer Res Treat 2019;173:65-77.
- 22. Jagsi R, Momoh AO, Qi J, et al. Impact of radiotherapy on complications and patient-reported outcomes after breast reconstruction. J Natl Cancer Inst 2018;110:157-65.
- 23. Sigalove S, Maxwell GP, Sigalove NM, et al. Prepectoral implant-based breast reconstruction: rationale, indications, and preliminary results. Plast Reconstr Surg 2017;139:287-94.
- 24. Kronowitz SJ, Mandujano CC, Liu J, et al. Lipofilling of the breast does not increase the risk of recurrence of breast cancer: a matched controlled study. Plast Reconstr Surg 2016; 137:385-93.
- 25. Kummerow KL, Du L, Penson DF, et al. Nationwide trends in mastectomy for early-stage breast cancer. JAMA Surg 2015;150:9-16.
- 26. Jagsi R, Jiang J, Momoh AO, et al. Trends and variation in use of breast reconstruction in patients with breast cancer undergoing mastectomy in the United States. J Clin Oncol 2014;32:919-26.
- 27. Albornoz CR, Bach PB, Mehrara BJ, et al. A paradigm shift in U.S. breast reconstruction: increasing implant rates. Plast Reconstr Surg 2013;131:15-23.
- 28. Kim JYS, Davila AA, Persing S, et al. A meta-analysis of hu-

- man acellular dermis and submuscular tissue expander breast reconstruction. Plast Reconstr Surg 2012;129:28-41.
- Salzberg CA, Ashikari AY, Koch RM, et al. An 8-year experience of direct-to-implant immediate breast reconstruction using human acellular dermal matrix (AlloDerm). Plast Reconstr Surg 2011;127:514-24.
- Chun YS, Verma K, Rosen H, et al. Implant-based breast reconstruction using acellular dermal matrix and the risk of postoperative complications. Plast Reconstr Surg 2010;125: 429-36.
- Reinpold W, Schroder M, Berger C, et al. Mini- or less-open sublay operation (MILOS): a new minimally invasive technique for the extraperitoneal mesh repair of incisional hernias. Ann Surg 2019;269:748-55.
- 32. Haskins IN, Horne CM, Krpata DM, et al. A call for standardization of wound events reporting following ventral hernia repair. Hernia 2018;22:729-36.
- Chin KJ, Adhikary S, Sarwani N, et al. The analgesic efficacy
 of pre-operative bilateral erector spinae plane (ESP) blocks
 in patients having ventral hernia repair. Anaesthesia 2017;
 72:452-60.
- Holihan JL, Nguyen DH, Nguyen MT, et al. Mesh location in open ventral hernia repair: a systematic review and network meta-analysis. World J Surg 2016;40:89-99.
- 35. Holihan JL, Alawadi Z, Martindale RG, et al. Adverse events after ventral hernia repair: the vicious cycle of complications. J Am Coll Surg 2015;221:478-85.
- Bittner R, Bingener-Casey J, Dietz U, et al. Guidelines for laparoscopic treatment of ventral and incisional abdominal wall hernias (International Endohernia Society (IEHS)-part 1. Surg Endosc 2014;28:2-29.
- 37. Rosen MJ, Krpata DM, Ermlich B, et al. A 5-year clinical experience with single-staged repairs of infected and contaminated abdominal wall defects utilizing biologic mesh. Ann Surg 2013;257:991-6.
- 38. Poulose BK, Shelton J, Phillips S, et al. Epidemiology and cost of ventral hernia repair: making the case for hernia research. Hernia 2012;16:179-83.
- Sauerland S, Walgenbach M, Habermalz B, et al. Laparoscopic versus open surgical techniques for ventral or incisional hernia repair. Cochrane Database Syst Rev 2011;(3): CD007781.
- 40. Ventral Hernia Working Group, Breuing K, Butler CE, et al. Incisional ventral hernias: review of the literature and recommendations regarding the grading and technique of repair. Surgery 2010;148:544-58.
- 41. Martin E, Senders JT, DiRisio AC, et al. Timing of surgery in traumatic brachial plexus injury: a systematic review. J

- Neurosurg 2018:1-13.
- 42. Hu CH, Chang TN, Lu JC, et al. Comparison of surgical strategies between proximal nerve graft and/or nerve transfer and distal nerve transfer based on functional restoration of elbow flexion: a retrospective review of 147 patients. Plast Reconstr Surg 2018;141:68e-79e.
- 43. Socolovsky M, Malessy M, Lopez D, et al. Current concepts in plasticity and nerve transfers: relationship between surgical techniques and outcomes. Neurosurg Focus 2017;42:E13.
- 44. Crofts JF, Lenguerrand E, Bentham GL, et al. Prevention of brachial plexus injury-12 years of shoulder dystocia training: an interrupted time-series study. BJOG 2016;123:111-8.
- 45. Aszmann OC, Roche AD, Salminger S, et al. Bionic reconstruction to restore hand function after brachial plexus injury: a case series of three patients. Lancet 2015;385:2183-9.
- 46. Chauhan SP, Blackwell SB, Ananth CV. Neonatal brachial plexus palsy: incidence, prevalence, and temporal trends. Semin Perinatol 2014;38:210-8.
- 47. Barbizan R, Castro MV, Rodrigues AC, et al. Motor recovery and synaptic preservation after ventral root avulsion and repair with a fibrin sealant derived from snake venom. PLoS One 2013;8:e63260.
- 48. Yang LJ, Chang KW, Chung KC. A systematic review of nerve transfer and nerve repair for the treatment of adult upper brachial plexus injury. Neurosurgery 2012;71:417-29.
- 49. Garg R, Merrell GA, Hillstrom HJ, et al. Comparison of nerve transfers and nerve grafting for traumatic upper plexus palsy: a systematic review and analysis. J Bone Joint Surg Am 2011;93:819-29.
- 50. Elhassan B, Bishop A, Shin A, et al. Shoulder tendon transfer options for adult patients with brachial plexus injury. J Hand Surg Am 2010;35:1211-9.
- 51. Goobie SM, Zurakowski D, Isaac KV, et al. Predictors of perioperative complications in paediatric cranial vault reconstruction surgery: a multicentre observational study from the Pediatric Craniofacial Collaborative Group. Br J Anaesth 2019;122:215-23.
- 52. Liang F, Leland H, Jedrzejewski B, et al. Alternatives to autologous bone graft in alveolar cleft reconstruction: the state of alveolar tissue engineering. J Craniofac Surg 2018;29: 584-93.
- 53. Knoops PG, Beaumont CA, Borghi A, et al. Comparison of three-dimensional scanner systems for craniomaxillofacial imaging. J Plast Reconstr Aesthet Surg 2017;70:441-9.
- 54. Zhu M, Chai G, Lin L, et al. Effectiveness of a novel augmented reality-based navigation system in treatment of orbital hypertelorism. Ann Plast Surg 2016;77:662-8.
- 55. Choi JW, Kim N. Clinical application of three-dimensional

- printing technology in craniofacial plastic surgery. Arch Plast Surg 2015;42:267-77.
- 56. Gordon CR, Fisher M, Liauw J, et al. Multidisciplinary approach for improved outcomes in secondary cranial reconstruction: introducing the pericranial-onlay cranioplasty technique. Neurosurgery 2014;10 Suppl 2(02):179-90.
- 57. Dorafshar AH, Bojovic B, Christy MR, et al. Total face, double jaw, and tongue transplantation: an evolutionary concept. Plast Reconstr Surg 2013;131:241-51.
- 58. Riccio M, Maraldi T, Pisciotta A, et al. Fibroin scaffold repairs critical-size bone defects in vivo supported by human amniotic fluid and dental pulp stem cells. Tissue Eng Part A 2012;18:1006-13.
- 59. Goobie SM, Meier PM, Pereira LM, et al. Efficacy of tranexamic acid in pediatric craniosynostosis surgery: a double-blind, placebo-controlled trial. Anesthesiology 2011;114:862-71.
- 60. Wilkie AO, Byren JC, Hurst JA, et al. Prevalence and complications of single-gene and chromosomal disorders in craniosynostosis. Pediatrics 2010;126:e391-400.
- 61. Cotofana S, Lachman N. Anatomy of the facial fat compartments and their relevance in aesthetic surgery. J Dtsch Dermatol Ges 2019;17:399-413.
- 62. Dorfman RG, Vaca EE, Mahmood E, et al. Plastic surgeryrelated hashtag utilization on instagram: implications for ed-

- ucation and marketing. Aesthet Surg J 2018;38:332-8.
- 63. Simonacci F, Bertozzi N, Grieco MP, et al. Procedure, applications, and outcomes of autologous fat grafting. Ann Med Surg (Lond) 2017;20:49-60.
- 64. Hu H, Johani K, Almatroudi A, et al. Bacterial biofilm infection detected in breast implant-associated anaplastic largecell lymphoma. Plast Reconstr Surg 2016;137:1659-69.
- 65. Winocour J, Gupta V, Ramirez JR, et al. Abdominoplasty: risk factors, complication rates, and safety of combined procedures. Plast Reconstr Surg 2015;136:597e-606e.
- 66. Kakagia D, Pallua N. Autologous fat grafting: in search of the optimal technique. Surg Innov 2014;21:327-36.
- 67. Pusic AL, Klassen AF, Scott AM, et al. Development and psychometric evaluation of the FACE-Q satisfaction with appearance scale: a new patient-reported outcome instrument for facial aesthetics patients. Clin Plast Surg 2013;40: 249-60.
- 68. Mendelson B, Wong CH. Changes in the facial skeleton with aging: implications and clinical applications in facial rejuvenation. Aesthetic Plast Surg 2012;36:753-60.
- 69. Goodman MP. Female genital cosmetic and plastic surgery: a review. J Sex Med 2011;8:1813-25.
- 70. Klassen AF, Cano SJ, Scott A, et al. Measuring patient-reported outcomes in facial aesthetic patients: development of the FACE-Q. Facial Plast Surg 2010;26:303-9.