



COMMENTARY



Techniques and Procedures Involved in Plastic Surgery

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About the Study

Plastic surgery is a surgical specialty involving the restoration, reconstruction, or alteration of the human body. In plastic surgery, the transfer of skin tissue (skin grafting) is a very common procedure. Skin grafts can be derived from the recipient or donors: Autografts are taken from the recipient. If natural tissues are absent or deficient, some may be enlarged sheets of epithelial cells *in vitro* or synthetic compounds, such as integra, containing silicone and bovine tendon collagen containing glycosaminoglycans. Allograft is taken from the same donor. Xenografts are taken from a different type of donor.

In general, positive results can be expected in plastic surgery that emphasizes the careful arrangement of holes to fall within the folds of skin or lines, proper selection of wound closures, the use of the best sewing materials available, and timely removal of exposed stitches that the wound is sealed with buried sutures.

Procedures

Cosmetic surgery is a voluntary or optional operation performed on common parts of the body for the sole purpose of enhancing one's appearance and/or removing the symptoms of aging. In 2014, approximately 16 million cosmetic procedures were performed in the United States alone. The number of cosmetic procedures performed in the United States has doubled since the turn of the century. 92% of cosmetic procedures were performed on women in 2014, up from 88% in 2001. 15.6 million cosmetic procedures were performed in 2020, with five of the most common Nose Surgery, Eyelid Surgery, Facial, Post-Cleaning, and Breast Enlargement. Breast augmentation continues to be one of the top 5 cosmetic surgical procedures again since 2006. Silicone implants were used in 84% and saline implants in 16% of all breast development by 2020. The American Society for Aesthetic Plastic Surgery looks at statistics on 34 different cosmetic procedures. Nineteen procedures

are surgical, such as rhinoplasty or facelift. Non-surgical procedures include Botox and laser hair removal. In 2010, their survey revealed that there were a total of 9,336,814 procedures in the United States. Of those, 1,622,290 procedures were performed. They also found that the majority, 81%, of these procedures were performed on people in the Caucasus.

The American Society of Plastic Surgeons (ASPS) estimates that more than 333,000 cosmetic procedures were performed on patients 18 years of age or younger in the US in 2005 compared to the average of 14,000 in 1996. This is important because it encourages young people to continue these processes later in life. The increase in the use of cosmetic procedures transcends racial and ethnic lines in the U.S., and the increase seen among African-Americans, Asian Americans and Hispanic Americans as well as Caucasian Americans. Of the 1191 articles in the UK newspaper, 89% use the term 'plastic surgery' in the context of cosmetic surgery. This is important as it shows the frequency with which western countries practice cosmetic surgery. In Asia, cosmetic surgery has become quite popular; and countries such as China and India have become major Asian cosmetic markets. South Korea is also growing in popularity because of its expertise in facial bone surgery. The first publication of a team of South Korean surgeons in facial orthopaedic surgery was published showing the various surgical techniques used in facial orthopaedic surgery.

Plastic surgery is slowly growing, rising by 115% from 2000 to 2015. "According to the annual plastic surgery procedures, there were 15.9 million surgical procedures and small cosmetics performed in the United States in 2015, an increase of 2 percent in 2014." A 2021 study found that applications for cosmetic procedures increased dramatically. Since the outbreak of the COVID-19 epidemic, which may have been due to an increase in video interviews; the measures mentioned include a 10% increase in the United States and a 20% increase in France.