

JOINT EVENT

7th International Conference and Exhibition on Surgery & 3rd International Conference on Anesthesia

June 21-23, 2018 Dublin, Ireland

The strategies of repairing the defects or deformities in superficial tissues and organs with skin flaps

Jiake Chai

The First Affiliated Hospital of PLA General Hospital, China

Statement of the Problem: The repair of the defects or deformities in superficial tissues and organs caused by burns, trauma, tumor or infection, which seriously influence the functions and appearances, is a significant clinical complain.

Purpose: The purpose of this study is to describe that skin flaps should be the preferred choice to recovery of both function and appearance.

Methodology & Theoretical Orientation: Local flap, axial pattern skin flap, island pattern skin flap, pre-expanded skin flap and free skin flap in our department was widely used in clinical intervention. The principals of repairing the defects or deformities of superficial tissues and organs, the indications and cautions in application of skin flaps were discussed. As an important part, use of tissue expansion in preparing pre-expanded skin flap was also shown.

Conclusion & Significance: Personalized repairing depending on the age, sex, whole body condition and subjective demand of the patients was emphasized. I hope our experiences would improve the development of repairing of defects or deformities in superficial tissues and organs.

Recent Publications

1. Song H F and Chai J K (2017) Pre-expanded transverse cervical artery perforator flap. *Clinics in Plastic Surgery*. 44:41-47.
2. Feng G, Hao D F and Chai J K (2014) Processing of CXCL12 impedes the recruitment of endothelial progenitor cells in diabetic wound healing. *FEBS Journal*. 281(22):5054-5062.
3. Sun T J, Han Y F, Chai J K and Yang H M (2011) Transplantation of microskin autografts with overlaid selectively decellularized split-thickness porcine skin in the repair of deep burn wounds. *Journal of Burn Care and Research*. 32(3):e67-73.
4. Chai J K et al. (2003) Repair and reconstruction of massively damaged burn wounds. *Burns* 29:726-732.
5. Chai JK, Wu YQ, Sheng ZY (2003) Role of ubiquitin-proteasome pathway in skeletal muscle wasting in rats with endotoxemia. *Critical Care Medicine* 31:1802-1807.

Biography

Jiake Chai has his expertise in diagnosis and treatment of burn sepsis, destructive tissue defects, research and applications of wound repair materials, and management of critical national and military health emergencies. He Executive Committee Member, Regional Representative of South East Asia for International Society for Burn Injuries (ISBI), and a past Chairman of the Chinese Society of Burn Surgery. He has been invited to be the associate managing editor, member editor, and reviewer of 20 respected medical journals. He was invited as keynote speaker or as an overseas faculty member at many international academic conferences, giving speeches 11 times, followed by recognition from international colleagues.

cji304@126.com