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Repair of a severe palm injury with anterolateral thigh and ilioinguinal flaps: A case report

Gong HY *et al.* Repair of a severe palm injury

Hong-Yang Gong, Xi-Guang Sun, Lai-Jin Lu, Peng-Cheng Liu, Xin Yu

Abstract

BACKGROUND

In daily life and work, there are more and more patients with trauma to the hand, which often results in skin and soft tissue defects. Although there are many repair methods, the function and appearance of the fingers will be adversely affected if the repair is inadequate.

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Methods: Between March 2010 and December 2016 in our hospital, 5 patients with **severe** upper extremity trauma received single-stage reconstructive surgery, in which a flow-through **anterolateral thigh** free flap was applied to **repair** soft tissue defects and vascular **injuries** simultaneously. Cases of injured artery were reconstructed with the ...

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[EFFECTIVENESS OF DIFFERENT FLAPS FOR REPAIR OF SEVERE ...

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The radial artery retrograde island flap was used in 2 cases, the pedicled abdominal **flaps** in 4 cases, the thoracodorsal artery perforator flap in 2 cases, the **anterolateral thigh** flap in 1 **case**, and the scapular free flap in 4 cases. The size of flap ranged from 6.0 cm x 4.5 cm to 17.0 cm x 7.5 cm. **RESULTS:** All **flaps** survived well.

Author: Mengru Pang, Haitao Xiao, Huaishen...

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Emergency repair of upper extremity large soft tissue and ...

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Dec 01, 2017 · Between March 2010 and December 2016 in our hospital, 5 patients with **severe upper extremity trauma** received single-stage **reconstructive surgery**, in which a **flow-through anterolateral thigh free flap** was applied to **repair soft tissue defects** and **vascular injuries** ...

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Free Flow-through Anterolateral Thigh Flaps for Wrist High ...

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Jul 01, 2020 · Yokota et al.[10] first reported the **repair** of limb defects and vascular reconstruction with flow- through **anterolateral thigh flaps** in 2011. Since then, although flow-through

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[EFFECTIVENESS OF DIFFERENT FLAPS FOR REPAIR OF SEVERE ...<https://www.ncbi.nlm.nih.gov/pubmed/27281889>

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Reconstructive Surgery of Inguinal Defects: A Systematic ...<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6364081>

Flaps used in the vast majority of cases were pedicled, only one paper reported on the use of **free flaps**: Three patients received free **latissimus dorsi** (LD-MC) flap, and two **patients free anterolateral thigh** (ALT-FC) flap. The flap was harvested unilaterally in 253 cases, and bilaterally in 2 cases, to cover the **inguinal defect**.

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Emergency repair of upper extremity large soft tissue and ...<https://www.sciencedirect.com/science/article/pii/S1743919117313353>

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Cited by: 6 Author: Yi Zhan, Guo Fu, Xiang Zhou, Bo He, Li-Wei ...

Publish Year: 2017

(PDF) Composite anterolateral thigh perforator flaps in ...<https://www.researchgate.net/publication/51830293...>

Nov 24, 2011 · explosion injury (Case 2). The **palm** ... The authors document their experience in using free **anterolateral thigh flaps** in the immediate reconstruction of complex upper extremity **injuries** ...

Repair of a soft tissue defect of medial malleolus with ...<https://www.sciencedirect.com/science/article/pii/S1008127515303370>

Oct 01, 2012 · Original articles **Repair** of a soft tissue defect of medial malleolus with cross-leg bridge free transfer of **anterolateral thigh** muscle flap: a **case report** Zhang Gong-lin, * Chen Ke-ming, Zhang Jun-hua, Wang Shi-yong, Institute of Orthopedics, General Hospital of Lanzhou Military Command of PLA, Lanzhou 730050, China Institute of Orthopedics, General Hospital of Lanzhou ...

Free Flow-through Anterolateral Thigh Flaps for Wrist High ...<https://www.sciencedirect.com/science/article/pii/S0895398820301392>

Jul 01, 2020 · Conclusion. Treating wrist types II and III high-tension electrical burns is still challenging in clinical practice. The use of free flow-through **anterolateral thigh flaps** (combined with great saphenous vein transplantation if necessary) to **repair** the wound and to restore the blood supply for the hand at the same time is a good choice for treating **severe** wrist electrical burns.

Management of foot degloving injury with bilateral ...<https://www.sciencedirect.com/science/article/pii/S2352644020300613>

Oct 01, 2020 · The **flaps** survived uneventfully and second stage operation of defatting was consequently arranged. The patient obtained protective sensation and felt satisfied with the cosmetic outcome. With the development of microsurgery, bilateral **anterolateral thigh flaps** could be effectively adopted to manage foot degloving **injuries**.

Hand Reconstruction Using the Thin Anterolateral Thigh ...<https://www.researchgate.net/publication/7679745...>

The arterial/venous pedicle diameters of lateral arm flap (2.37 ± 0.69 mm / 2.61 ± 0.74 mm) were lesser than parascapular (3.46 ± 0.80 mm / 4.07 ± 0.87 mm) and **anterolateral thigh** flap (3.26 ...

First Web-Space Reconstruction by the Anterolateral Thigh ...<https://www.researchgate.net/publication/7148856...>

Four patients with **severe** contracture of the first web space were treated with an **anterolateral thigh** perforator flap. The flap size ranged from 10 to 13 cm in length and from 7 to 8 cm in width.

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Author: Mengru Pang, Haitao Xiao, Huaisheng ...**Publish Year:** 2016

[Anterolateral thigh and groin conjoined flap for emergent ...

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The **anterolateral thigh** and groin conjoined free **flaps** were used to **repair** defects in the forearm and hand in emergency. The area of flap was from 36 cm x 9 cm to 48 cm x 12 cm. Meanwhile the ...

Free Flow-through Anterolateral Thigh Flaps for Wrist High ...

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