

1. Record Nr.	UNINA9910881097903321
Autore	Jang Young-Chul
Titolo	The Art of Skin Graft : Advanced Graft Technique / / by Young-Chul Jang
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	9789819700172 9789819700165
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (299 pages)
Disciplina	617.477
Soggetti	Surgery, Plastic Dermatology Plastic Surgery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	I. INTRODUCTION -- II. BASIC PRINCIPLE OF SKIN GRAFT -- III.CONCEPT OF AUTHOR -- IV.TYPE OF SKIN GRAFT -- 1. Mesh skin graft -- Principle of mesh skin graft -- Wide mesh with cultured epithelial sheet graft -- Wide mesh with various cell spray technique -- Clinical cases -- 2. Split thickness skin graft (partial thickness skin graft);STSG -- Principle of STSG -- Thickness of STSG -- Scalp skin graft -- Dermatome -- Facial management with STSG -- Hand management with STSG -- Artificial dermis with thin STSG -- Clinical cases -- 3. Full thickness skin graft; FTSG -- Principle of FTSG -- Author's new concept of FTSG -- Reconstructive surgery with FTSG -- Volume replacement with FTSG -- Scar management with FTSG -- Clinical course and cases -- 4. Special skin graft (dermabrasion and dermal overgraft) -- Principle of dermabrasion and dermal overgraft -- Equipment of dermal overgraft -- Concept of aesthetic special skin graft -- Wide scar or artificial tattoo correction onface, upper extremity -- Extended surgical technique of dermal overgraft -- Clinical cases -- 5. Artificial skin graft -- What is artificial dermis? -- Classification of artificial dermis -- Human dermal matrix system with variable usages -- Limb salvage with human dermal matrix -- Clinical cases -- 6. Composite graft and others -- Principle of composite graft -- Nose reconstruction

-- Philtrum reconstruction -- Single hair transplantation --
Clinical cases -- V. POST OPERATIVE MANAGEMENT -- 1. Pressure garment -- 2. Silicone gel sheet -- 3. Laser therapy -- VI. CLINICAL CASES -- VII. CONCLUSION -- VIII. Suggestion of author.

Sommario/riassunto

This book describes common errors, including donor site selection, techniques to decrease scar contracture rate, and show improved long-term follow-up results. In addition, it will describe application of STSG on facial reconstructive surgery and aesthetic thin STSG for correction of irregular surface, color mismatch and old conspicuous engrafted margin. Full-thickness skin graft (FTSG) has been used for burn scar contracture of joint areas, including hand, foot, upper and lower extremities. It maximizes the range of motion of those areas and possesses a soft and elastic texture. However, compared to a conventional skin graft, more efforts are needed for graft take with a higher graft failure rate and limited donor site size, which makes surgeons hesitate to use FTSG. This book introduces techniques to decrease operation time, maturation period, pigmentation rate, and improve high graft take rate, skin texture and also newly introducing full thickness skin with subcutaneous fat composite graft technique and its concept. Recently, the development of various artificial dermis and cell culture techniques has greatly improved burn patients' survival rate. In this book the author's experience with various types of artificial dermis, cultured epithelial cell therapy and its benefits for tendon and bone exposure limb salvage and variable cases of long-term follow-up results are shared with up-to-date techniques. The final chapter introduces unique aesthetic skin graft concepts to improve previous scar contracture lesion, dark pigmentation disorder, irregular surface and discoloration, conspicuous grafted margin and others.
