

1. Record Nr.	UNINA9910300067703321
Titolo	Stem Cells in Aesthetic Procedures [[electronic resource] ] : Art, Science, and Clinical Techniques / / edited by Melvin A. Shiffman, Alberto Di Giuseppe, Franco Bassetto
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2014
ISBN	3-642-45207-8
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (815 p.)
Disciplina	610 617.51 617.952 617952
Soggetti	Plastic surgery Otorhinolaryngology Plastic Surgery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Stem Cell History: History of the development of pluripotent stem cells (including reprogramming of somatic cells) and their applications for therapeutic use. Biochemistry and Physiology of the Stem Cell: Skeletal muscle and adipose cell precursors: Stem cell tissue engineering and reconstructive surgery -- Stem Cell and Adipose Tissue Engineering -- Tissue Engineering of Vascularized Adipose Tissue for Soft Tissue Reconstruction is driven by specific Angiogenetic Factors -- Surface Antigen Profiling of Stem Cells -- Human Adipose Tissue As a Source of Multipotent Stem Cells -- Adipose Tissue Generated in vitro by using Human Fat Adipocytes, Fat Tissue Mesenchyma Stem Cells on Fibrin Gel Sheet -- Adipogenesis using Human Adipose Tissue-derived Cells Impregnated with Basic Fibroblast Growth Factor -- Apidogenetic Differentiation of Human Adipose-derived Stem Cells on 3D Silk Scaffolds -- Regulation of Adipose Tissue-derived Mesenchymal Stem Cells Proliferation Response to Proangiogenetic Vascular Endothelial Growth Factor and Parathyroid Hormone-related Protein -- Muscle-

derived Stem Cells to Enhance long-term Retention of Autologous Fat Transfer in Mice -- The Effect of Adipose-derived Stem Cells on Ischemia-Reperfusion Injury -- The adipose organ: morphological perspectives of adipose tissues -- Pericytes are stem cells -- Rehabilitation of Irradiated Tissue by Autologous Fat Transplantation -- Adipose Tissue and Inflammation -- Adipose-derived Stem Cell: Culture and Banking -- Adipose derived Stem Cells to Modulate Scar Tissue: From biological Basis to Clinical Application. Stem Cells and Adipose Tissue Survival: Adipose-derived Stem and Progenitor Cells as Fillers in Plastic and Reconstructive Surgery -- Stem Cells, Mature Adipocytes and extracellular Scaffold in Fat Graft Survival -- Multipotential aspects of adipose-derived stem cells. Use of Stem Cells in Aesthetic Procedures: Adipose Tissue Anatomy -- Coulter Counter Use in the Enumeration of Muscle and Fat Stem Cells -- Celution device Stem Cell Facelift -- Stem Cell Fat Autograft Muscle Injection (FAMI) for Facelift -- Adivive (Lipokit™) Stem Cell Fat Transfer to Face -- Hemi-facial atrophy -- Office derived Stem Cell Fat Transfer for Facial, Ear defects -- Stem Cells Breast Augmentation -- Stem Cell Fat Transfer for Breast Augmentation using Celution and office devised Stem Cells -- Lipokit Stem Cells derived Fat Transfer to Breast -- Breast Augmentation with office devised Production of Stem Cells -- Fat Grafting to the Breast and Adipose-derived Stem Cells -- Tuberous Breast Correction with Stem Cell Fat Transfer -- Tuberous Breast Correction with Celution devised Stem Cell Fat Transfer -- Fat Transfer with centrifugated Fat-derived Stem Cells for Poland Syndrome -- Mammographic changes after stem cell fat transfer to the breast -- Office derived Stem Cell Fat Transfer Buttock Lift -- Celution-derived Stem cell Fat Transfer to Buttocks -- Stem Cell Fat Transfer for Buttock Asymmetry -- Office derived Stem Cell Fat Transfer to Calves -- Lipokit Stem Cell derived Fat Transfer to Lower Legs -- Office derived Stem Cell Fat Transfer to Hands -- Lipokit Stem Cell derived Fat Transfer to Hands -- Stem Cell Phalloplasty. Complication: Complications of Stem Cell Fat Transfer -- Miscellaneous: Editor's Commentary -- Method of Production of Cytori Stem Cells -- Special Syringes for Injecting Fat with Reduced Pressure.

## Sommario/riassunto

Interest in the use of stem cells in aesthetic procedures has been increasing rapidly, reflecting the widespread acknowledgment of the tremendous potential of stem cell fat transfer. This is, however, the first book to be devoted entirely to the subject. The book opens by reviewing the history of the development of pluripotent stem cells and the results of research into the biochemistry and physiology of stem cells. Adipose tissue anatomy and survival are discussed, and the wide range of aesthetic procedures involving stem cell fat transfer are then described in detail. These procedures relate to the face, breast, buttocks, legs, hands, penis, and Poland syndrome. In addition, potential risks and complications are identified. Stem Cells in Aesthetic Procedures: Art, Science, and Clinical Techniques is completely up to date and has been written by leading experts in the field. It will be an invaluable source of information for students, beginners, and experienced surgeons in the fields of plastic surgery, general surgery, cosmetic surgery, facial plastic surgery, otolaryngology, ophthalmology, and oral maxillofacial surgery.