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Autore	Paul Sharad P
Titolo	Biodynamic Excisional Skin Tension Lines for Cutaneous Surgery // by Sharad P. Paul
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ISBN	3-319-71495-3
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XIX, 188 p. 74 illus., 67 illus. in color.)
Disciplina	616.5
Soggetti	Dermatology Surgery, Plastic Plastic Surgery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Examining the Science behind Skin Lines currently used for Surgical Excisions, and introducing a new concept of BEST (Biodynamic Excisional Skin Tension) Lines -- Why the Geological Approach Doesn't Work for Wrinkles: The Need to Move from Anatomy to Physiology -- Understanding the Interplay between Elastin and Collagen During Surgical Procedures and their Relationship to BEST Lines -- Biodynamic Excisional Skin Tension Lines: Using a New Skin Tensiometer Device and Computational Analyses to Understand Excisional Skin Biomechanics -- Biodynamic Excisional Skin Tension (BEST) Lines for Scalp Reconstruction After Skin Cancer Surgery -- Golden Spirals and Scalp Whorls: Nature's Patterns and the Designing of a new Scalp Flap -- The Golden Spiral Flap: A New Flap Design that allows for Closure of Larger Scalp Wounds better than other Rotational Flap Designs -- Zigs and Zags in Plastic Surgery: Lengthening v. Reduction of Tension -- Biodynamic Excisional Skin Tension (BEST) Lines on the Trunk -- BEST Lines of the Lower Limb -- Understanding Vascular Anatomy of the Lower Limb to help planning of Perforator based Island Flaps -- Anatomical Considerations during Cutaneous Surgery on the Cheek, Skin Biodynamics and BEST lines of the Face -- Patterns, Biomechanics and Behaviour.
Sommario/riassunto	This book is a detailed review of the 'state-of-the art' of skin lines in

cutaneous surgery. Surgical literature is inundated with references to Langer's Lines, Cleavage Lines, Wrinkle Lines and Relaxed Skin Tension Lines, but this title discusses the difference between these and incisional and excisional lines biomechanically, introducing the concept of biodynamic excisional skin tension (BEST) Lines. The problem with current concepts of skin tension lines is that they seem to differ in different textbooks, and lines for surgical egress, which work in conditions of low tension, are not necessarily suitable for skin cancer surgery. Biodynamic Excisional Skin Tension Lines for Cutaneous Surgery describes skin biomechanics, the properties of collagen and elastin, lower limb skin vascularity and also maps BEST lines across the body, making it a great reference guide for plastic or dermatologic surgery worldwide. As such, it will be beneficial for anyone performing cutaneous surgery and skin cancer excisions in clinical practice, or for those planning further research into skin biomechanics to read this volume.
