

1. Record Nr.	UNINA9910894002803321
Titolo	Das öffentliche Gesundheitswesen im Regierungsbezirke Arnsberg : während der Jahre ; ... Gesammtbericht
Pubbl/distr/stampa	Arnsberg, : Becker, 1888-1894
Descrizione fisica	Online-Ressource
Disciplina	340 360 610
Soggetti	Bevölkerung Soziale Situation Gesundheitsberichterstattung Zeitschrift Bericht Online-Publikation Regierungsbezirk Arnsberg
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Gesehen am 05.09.13

2. Record Nr.	UNINA9910857792003321
Autore	Chanda Arnab
Titolo	Soft Tissue Simulants / / by Arnab Chanda, Gurpreet Singh
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	9789819730605 9819730600
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (155 pages)
Collana	Biomedical Materials for Multi-functional Applications, , 2731-9709
Altri autori (Persone)	Gurpreet Singh
Disciplina	620.19
Soggetti	Biomaterials Biomedical engineering Regenerative medicine Biomedical Engineering and Bioengineering Regenerative Medicine and Tissue Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Emerging Need for Simulants -- Skin Simulants -- Muscle Simulants -- Brain Simulants -- Facial Simulants -- Lung Simulants -- Heart Simulants -- Breast Simulants -- Liver Simulants.
Sommario/riassunto	Soft tissue simulants, essential for automotive and ballistic testing, medical, and surgical training, have traditionally relied on cadavers and animal tissues. However, their biomechanical properties change with time due to dehydration after death and the biomechanics of the animal models cannot be translated and compared with the human tissues. This book compiles various synthetic tissues used in these applications, addressing their characterization and industry-wide applications. While older simulants lack biofidelity, recent advancements in biofidelic soft tissue simulants offer promising alternatives, yet technology transfer remains limited. This book fills the gap by exploring each simulant's characteristics and current trends, facilitating their adoption in clinical and academic settings. These synthetic tissues have the potential to replace live tissues in surgical training, streamlining biosafety approvals. They also benefit academic researchers by reducing costs and time in biomechanical testing. Anticipated to be the first of its kind, this comprehensive reference

book will showcase recent advancements in soft tissue simulant development, serving as a cornerstone text in tissue engineering & biomedical engineering, medical simulation, biomechanics, and related fields.

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