



Polymers as Biomaterials

By W Shalaby

Springer-Verlag New York Inc., United States, 2011. Paperback. Book Condition: New. 1984 ed.. 254 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.Nearly 4000 years ago, the Egyptians used linen, a natural polymeric material, for suturing wounds. About 600 B.C., the Indians used other forms of natural polymers such as cotton, horse hair, and leather in repairing wounds. Wound closure procedures using silk sutures, based mostly on polypeptides, are likely to have been practiced during the second century. Surgical application of natural polymers continued to represent the major use of polymers until the twentieth century. Not too long after the development of several major synthetic polymers, their use in biomedical applications has attracted the attention of many re- searchers and clinicians. Over the past few years, interest in the biomedical applications of polymers has grown considerably. This has been the result of the inevitable collaborative efforts of in- novative materials scientists, engineers and clinicians. The establishment of the Society for Biomaterials, in our opinion, cata- lyzed the growing interest in the use of polymers for biomedical application. In a major effort to bring team players even closer, a five-day symposium on Polymers as Biomaterials...



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