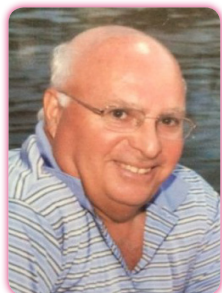


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Soft tissue augmentation with novel synthetic polymers

Along with a trend toward living a longer, healthier life, more and more patients are looking to physicians to help them achieve a more youthful appearance. The skin's natural aging process manifests contour changes and rhytids secondary to the depletion of subcutaneous fat and the loss of dermal collagen. Traditionally, rejuvenation has been achieved with a face-lift by surgically tightening the skin. Today, a multitude of minimally invasive procedures are aimed at rejuvenation without the risk, recovery time, and expense of major surgery. The development and popularity of BOTOX RTM has opened the door for equally noninvasive, adjunctive treatment of dynamic rhytids and soft tissue augmentation. Soft tissue augmentation has become a popular means of addressing issues such as, contour defects that result from aging, photo-damage, trauma and/or scarification, or disease. A number of filling agents exist in the armamentarium. Therefore, the physician is responsible for knowing which substance is best suited to address a particular defect and the patient or disease process. This presentation will address compositions and methods of use of novel polymeric materials for soft tissue augmentation and drug delivery. An exemplary composition for augmenting soft tissue can include an active ingredient, a carrier, and a cross-linking agent, wherein the carrier is cross-linked where the cross-linking agent and the active ingredient is combined with the cross-linked carrier into a combination having a therapeutic effect. Examples of current and future products will be discussed for this evolving technology that can lead to solutions for tissue regeneration.

Biography

Robert C DiLuccio, PhD is an experienced Chemical and Bio-Chemical Engineer and has been a leader in the creation of new biotechnology materials and formulations by leveraging extensive experience in engineering, biomaterials, drug delivery systems, fermentation, and medical technology. He has demonstrated an ability to assimilate published and patented technology into novel solutions for various product models by conceptualizing and launching developments in degradable polymers, polymer processing, polymer synthesis, and competitive intelligence. He has led and mentored highly-technical teams that effectively transformed customer needs and new technologies into products. He is recognized by peers and clients as passionate, creative innovator who consistently delivers industry-leading technologies. He has over 30 US Patents covering the wide variety of technologies he has developed.

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