Bioterrorism Agent and New Tool for Monogenic Auto Inflamma[illegible]

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[illegible]

Keywords: Cytokines; Pathogenesis; Auto in ammatory; Metalloproteinase

Introduction

Recently discovered hereditary diseases known as monogenic [illegible]

A frequent shoulder condition known as frozen shoulder (FS) [illegible] that represent the progression of brosis from spontaneous resolution to capsular in ammation and brosis. e origin, pathophysiology, natural course, and best course of treatment for FS, however, are still up for debate. According to arthroscopic and imaging studies, the glen humeral joint's capsular tissue, which includes the rotator interval, is a key pathogenic location. It de ned FS as the result of brosis and in ammation [3]. Early on, a synovial hyperplasia with enhanced vascularity manifests, and the subsynovium and synovium of capsular tissue gradually brose. In ammatory synovitis and capsular brosis follow the immunological reaction that causes this illness to start. Although the macroscopic and histological characteristics of capsular contracture are well established, the underlying pathophysiological process is still not fully understood. Recently, a lot of work has gone towards developing an immunological response for FS, including in ammatory mediators. Recent years have seen a growth in the eld's understanding of the pathophysiologic mechanisms underlying FS [4]. e pathophysiologic processes that underlie FS include capsular brosis and in ammation that are mediated by in ammatory cytokines, growth factors, enzymes, and matrix metalloproteinases (MMPs). A matrix of type I and type III collagen containing broblasts

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into more potent treatments. Additionally, a number of nonhereditary multifactorial in ammatory disorders that have clinical features with monogenic AIDS and may have an auto in ammatory origin may also be treated with a biologic treatment strategy, opening up new possibilities on the medical front lines.