The Biological Effects of Interleukin-6 and Their Clinical Applications in Autoimmune Diseases and Cancers

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Author(s): Deng-Ho Yang*

Interleukin-6 (IL-6) is one of the pro-inflammatory cytokines involved in pathogenesis of various autoimmune and chronic inflammatory diseases. IL-6 through binding to its cellular receptor can transduce both classical- and trans-signaling pathways.

Remission of Glucocorticoid-Resistant Polymyalgia Rheumatica achieved with Tocilizumab: 2 Case Reports

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Author(s): Ayse Unal Enginar*

Polymyalgia rheumatica (PMR) is an idiopathic inflammatory disease characterized by pain and stiffness around the shoulders, neck and hips. IL-6 is an important cytokine in the pathogenesis of the disease.

Idiopathic Intracranial Hypertension: Neuropsychiatric Systemic Lupus Erythematosus or Gonadotropinreleasing hormone agonist side effect?
A 31-year-old systemic lupus erythematosus (SLE) patient presented with headache and blurring of vision. Prior to this, she received 2 doses of monthly triptorelin for endometriosis. On examination, she had bilateral sixth nerve paresis. ...

IgA nephropathy (known as Berger’s disease) is the most common cause of glomerulonephritis. Its estimated prevalence between 25-50 cases per 100,000 individuals. Gross hematuria (40-50%) and microscopic hematuria (30-40%) are the most common findings which can be related to upper respiratory tract or gastrointestinal infection. ...

Primary laryngeal amyloidosis (PLA) and granulomatosis with polyangiitis (GPA) can present rarely with the isolated symptom of dyspnea and/or dysphonia, affecting exclusively the larynx. ...
Eosinophilic Fasciitis in a Patient with Hepatitis C Virus Infection: Coincidence or Association?

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Author(s): Samuel Katsuyuki Shinjo* and Fernando Henrique Carlos de Souza

Eosinophilic fasciitis is a rare connective tissue disease characterized by symmetrical and painful swelling with a progressive induration and thickening of the skin and soft tissues. Its etiology is unknown, but possible causes or associated conditions include drugs, physical exercises, autoimmune diseases, neoplasia and infections.

The Complexity of DNA Transcends Epigenetics

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Author(s): Virginia L Naples and Bruce Rothschild*

Availability of new has afforded rheumatologists the opportunity to investigate molecular pathophysiology of joint disease techniques [1,2]. Attempts to relate DNA polymorphisms to disease activity or addresses one aspect susceptibility [3-5].