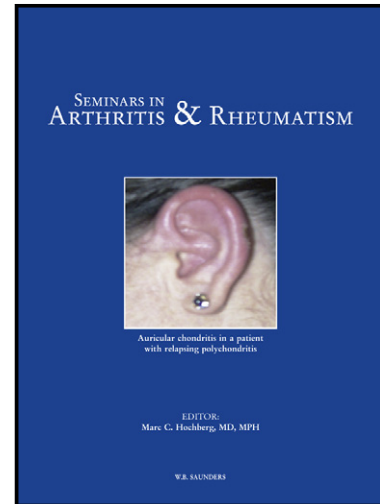


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Use of Belimumab Throughout Pregnancy to
Treat Active Systemic Lupus Erythematosus- a
Case Report

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Introduction:

Systemic lupus erythematosus (SLE) is an autoantibody-mediated systemic autoimmune disease that occurs more frequently in women of childbearing age compared to men (F:M ratio of 7:1).¹ Pregnancy can be challenging to manage in patients with SLE for various reasons including impact of pregnancy on the disease activity, effect of SLE on maternal and fetal health, the varied presentation of SLE during pregnancy, and the limited treatment options. Here we describe a patient with lupus nephritis who was successfully managed with belimumab through pregnancy. As far as we know, this is the first report of an uneventful pregnancy in a patient with lupus nephritis treated with belimumab throughout pregnancy.

Objective:

To describe a patient with active SLE (including lupus nephritis) who was successfully managed with use of belimumab throughout pregnancy.

Methods:

A case report and review of relevant literature is presented.

Case Report

A 38-year-old Caucasian woman with SLE was seen with her husband for advice regarding planning a pregnancy and management of lupus during pregnancy. She was diagnosed to have SLE at the age of 27 based on biopsy proven discoid lupus erythematosus, polyarticular arthralgia, angioedema, leucopenia (lymphopenia as well as neutropenia), thrombocytopenia, positive ANA (1:2560) in homogenous pattern, positive dsDNA (>200 IU/mL), SSA antibody, antigranulocyte antibodies and low complements. Patient also had proteinuria to 790mg/24hr and active urinary sediment suggesting presence of lupus nephritis. In the same year she also had one episode of left calf deep venous thrombosis with positive

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