SYSTEMIC LUPUS ERYTHEMATOSUS IN MALE: TWO CASE REPORTS

MD. ISMAIL HOSSAIN, SHAH MD. SARWER JAHAN, MD. ASHRAFUL HAQUE, ABM. MOBASHER ALAM, MAINUDDIN AHMED, MD. ZAKIR HOSSAIN

Abstract
Systemic lupus erythematosus (SLE) is the most common multisystem connective tissue disease. Around 90% of affected individuals are women, with peak onset in the second and third decades. Tissues of all system are damaged by pathogenic auto-antibodies and immune complexes. We report here two cases of SLE in male patient, presented with typical features of SLE. Though the disease is rare in male, but such type of manifestations should be investigated properly to exclude SLE.

Key words: Systemic lupus erythematosus, male, auto-antibodies, immune complex.

Introduction
Systemic lupus erythematosus (SLE) is a chronic inflammatory disease of unknown etiology that can affect the skin, joints, kidneys, lungs, nervous system, serous membranes and/or other organs of the body. Immunologic abnormalities, especially the production of a number of auto antibodies, are another prominent feature of the disease. The clinical course of SLE is variable and may be characterized by periods of remissions and relapses. SLE occurs worldwide but the prevalence varies from country to country, with the most prevalence of 1:250 in African American women. In other population the prevalence varies to 1:10000. Male SLE is rare, ninety percent of cases are in women, with peak onset in the second and third decades. Tissues of all system are damaged by pathogenic auto-antibodies and immune complexes. We describe two case of male patient with SLE.

Case Report: One
A 25 years male patient admitted to medicine ward with history of skin rash, bodyache, fatigue and occasional fever for three months. Rash was erythematous, flat, fixed over his malar prominence sparing the nasolabial fold. There were some erythematous raised patches with adherent keratotic scales & follicular plugging followed by atrophic scaring involving chest, back, forearms & legs. He also gave history of unusual reaction to light on exposed skin. He had no history of oral ulcer, arthritis or features of serosities. Initial laboratory evaluation yielded as follows: Hb-9.9 gm/dl, ESR-60 mm in first hour, TC of WBC- 6000/cumm, Platelet count-154,000/cumm, DC of WBC revealed neutrophil- 65%, lymphocyte- 30%, monocyte- 01%, eisonophil- 04%, PCV-33.7%. Urine R/M/E Shows- mild albuminuria, absent of cast, heat coagulation test was negative, urinary total protein was found 0.4gm/day. PBF was

1. Registrar, Department of Medicine, Rangpur Medical College Hospital.
2. Assistant Professor, Department of Medicine, Rangpur Medical College.
3. Assistant Professor, Department of Medicine, Rangpur Medical College.
4. Assistant Professor, Department of Nephrology, Rangpur Medical College.
5. Indoor Medical Officer, Department of Medicine, Rangpur Medical College & Hospital, Rangpur.
6. Professor and Head, Department of Medicine, Rangpur Medical College.

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Case Report: Two

A 15 years male patient, normotensive, nondiabetic admitted to medicine department with a two weeks history of swelling of whole body. He also gave history of breathlessness which was more marked in lying posture. He had no history of fever, myalgia, arthritis, oral ulcers, photosensitivity or rash in the skin and no significant past or family history. Physical examination revealed pitting ankle edema, ascites with features of right sided pleural effusion. X-ray chest P/A view, ultrasonographic study of whole abdomen & ECG showed no abnormalities. The patient was treated by oral Hydoxychloroquine and Tachrolimus ointment application locally.

R/M/E showed—moderate albuminuria, moderate granular cast & haematuria, heat coagulation test positive, urinary total protein- 6.6gm/day, CRP- 12 mg/dl, serum albumin- 1.52 gm/dl, S.Cholesterol-285mg/dl, ultrasonography of whole abdomen showed huge ascites, X-ray chest P/A view revealed right sided pleural effusion. S.creatinine-0.8mg/dl. Hepatitis B surface antigen (HBs Ag), hepatitis C virus (Anti HCV) and R.A test was negative, C3 was 0.17gm/l(0.9-1.8gm/l), ANA was positive (120 IU/ml), Anti ds DNA was also positive (250 IU/ml). Then renal biopsy was done which shows features compatible with diffuse proliferative lupus nephritis, ISN/RPS WHO class IV. The patient was diagnosed as a case of lupus nephritis and the patient was treated by pulse therapy with Methylprednisolone and Cyclophosphamide. Advised for regular followup.

Fig.-1(A)

Fig.-2(A)
**Discussion**

SLE is a multisystem autoimmune disease with a broad spectrum of clinical presentations. The prevalence of SLE is much lower in males than females and male SLE patients may have a less favorable outcome.

In our series there were two patients, one was middle age man & another was a young boy. In case one, patient had typical clinical features. Studies showed fatigue, fever, and bodyache were typically present some time during the course of the disease, occurring in 50 to 100 percent of patients. In SLE fatigue is the most common complaint and occasionally the most debilitating. It occurs in 80 to 100 percent of patients and its presence is not clearly correlated with other measures of disease activity. Fatigue is strongly associated with diminished exercise tolerance.

In our first case having DLE had low titer ANA that was consistent with other features. He had also photosensitivity on exposure to light. Photosensitivity on exposure to UV-B radiation found in sunlight or fluorescent lights occurs in 60 to 100 percent of patients with SLE. Patients with only discoid lupus erythematosus (DLE) generally had a negative or low-titer antinuclear antibody (ANA), and rarely had anti-Ro antibodies.

In our first case having DLE had low titer ANA that was consistent with other symptoms. He had also photosensitivity on exposure to sunlight. Photosensitivity on exposure to ultraviolet (UV) light and is frequently mistaken for sunburn. The rash may precede other symptoms of lupus by months or even years or might be accompanied by other symptoms and signs of acute SLE. He had also some discoid rash over chest, back & leg. These types of discoid lesions develop in up to 25 percent of patients with SLE but might also occur in the absence of any other clinical feature of SLE. Patients with only discoid lupus erythematosus (DLE) generally had a negative or low-titer antinuclear antibody (ANA), and rarely had anti-Ro antibodies.

The patient complains of acute butterfly rash, characterized by erythema in a malar distribution over the cheeks and bridge of the nose. Various studies showed it appears in approximately one-half of patients, usually after ultraviolet (UV) light exposure and is frequently mistaken for sunburn. The rash may precede other symptoms of lupus by months or even years or might be accompanied by other symptoms and signs of acute SLE. He had also some discoid rash over chest, back & leg. These types of discoid lesions develop in up to 25 percent of patients with SLE but might also occur in the absence of any other clinical feature of SLE. Patients with only discoid lupus erythematosus (DLE) generally had a negative or low-titer antinuclear antibody (ANA), and rarely had anti-Ro antibodies.

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In conclusion we could say when a male patient with fever, skin manifestation or anasarca with proteinuria, besides the other etiologies, autoimmune diseases like SLE should be kept in mind.

**References**


