

for 5.4% respectively. 399 patients (1.7%) had interstitial lung disease at baseline. The prevalence rate of coronary artery disease and cerebrovascular disease were both 0.7%. The percentage of combined malignancy was 0.6%. 57.6% of the patients were in remission at entry, and 19.6% of the patients had developed irreversible organ damage at baseline.

Conclusion The direct online reporting and collecting system of CSTAR had expanded with more than 20,000 patients involved all around China, showing us current situation of clinical practice for SLE in China and what we have achieved by applying Treat-To-Target strategy into daily practice for Chinese SLE patients.

Keywords Systemic Lupus Erythematosus, cohort, clinical features, remission

P158 LUPUS MASTITIS: THE GREAT MIMICKER

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Background Lupus Mastitis is rare and can be easily confounded with infection or breast cancer.

Methods We report two cases of lupus mastitis, in different clinical settings.

Results The first patient was a 34-year-old female with Systemic Lupus Erythematosus (SLE) with renal, hematological, musculoskeletal and cutaneous involvement, medicated with hydroxychloroquine (HCQ) 400 mg/day, mycophenolate mofetil 2000 mg/day and prednisolone 7.5 mg/day. She presented to the emergency department with painful right breast. On the examination, the breast was swollen, warm and painful to palpation. Breast ultrasound revealed a vascularized and lobulated mass at the upper external quadrant, with liquid areas inside, suggesting possible abscess, which was drained and biopsied.

Histopathological analysis demonstrated a fibroinflammatory process, with fibrotic and absceded areas, ductitis, lobulitis and vasculitis, compatible with lupus mastitis.

Cultures from the aspirated fluid were negative.

The patient was medicated with antibiotic, NSAIDs and prednisolone dose was increased to 10 mg/day with significant improvement.

The second case refers to a 48-year-old female patient, with SLE with cutaneous, immunological and musculoskeletal involvement, who had withdrawn HCQ due to ocular toxicity. In the following months, the patient presented recurrent episodes of mastitis, on the same location. Breast ultrasound performed during one of the episodes revealed a hypereogenic area of the fibroglandular tissue, with cystic areas. In spite of repeated treatment with antibiotics and NSAIDs, mastitis recurred, in a total of seven times. Because of worsening of the cutaneous lupus, the patient was medicated with methotrexate up to 15 mg/week. No more episodes of mastitis were recorded and biopsy of the breast, which had been considered, was not performed due to total recovery. The gynecology and rheumatology teams concluded that lupus was the etiology of the recurrent mastitis.

Conclusions Clinicians should be aware of this entity to avoid unnecessary invasive procedures, which may increase inflammation involved in lupus mastitis. Therapeutic approach usually demands increasing immunomodulation.

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SIMILAR PROGRESSION OF CAROTID INTIMA-MEDIA THICKNESS IN 7-YEAR SURVEILLANCE OF PATIENTS WITH MILD SLE AND CONTROLS, BUT THIS PROGRESSION IN PATIENTS IS STILL PROMOTED BY DYSLIPIDEMIA, HYPERTENSION, HISTORY OF LUPUS NEPHRITIS AND A HIGHER PREDNISONE USAGE

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Background Effect of classical risk factors on progression of subclinical atherosclerosis in patients with SLE in comparison with population controls is not clear. We aimed to compare progression of carotid intima-media thickness (cIMT) and factors promoting it in patients with SLE and controls.

Methods Patients with SLE and matched population controls from the SLEVIC-cohort were assessed at inclusion and after seven years with standardized data collection and carotid ultrasound. Effect of risk factors on cIMT progression was examined with adjusted linear mixed models.

Results A total of 77 patients and 74 controls, 68% and 61% of the original cohort, completed follow-up. The patients were mean 47 years old, 90% females, controls were 51 years old, 92% females. Patients had disease duration of mean 11 years and mild disease activity. Baseline cIMT did not differ between the groups. An average absolute cIMT progression was 0.009 mm/year in patients and 0.011 mm/year in controls, intergroup difference p=0.9. Dyslipidemia and hypertension at both assessments and carotid plaque at inclusion were associated with cIMT progression in patients and controls. History of lupus nephritis and a higher average dose of prednisolone used since diagnosis were associated with cIMT progression in patients. Associations of risk factors with cIMT progression was stronger in presence of plaques.

Conclusions We observed similar progression of cIMT in SLE and controls over 7 years, which implies that progression of subclinical atherosclerosis in some patients with SLE could be normalized. Traditional CV risk factors, history of lupus nephritis and higher use of corticosteroids promote cIMT progression in SLE. Detection of carotid plaque may add to CV risk stratification.

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RISK OF CV EVENTS AND MORTALITY IN SLE IS ASSOCIATED WITH ACCUMULATED DISEASE-DAMAGE, ANTI-PHOSPHOLIPID SYNDROME AND HIGHER CAROTID INTIMA-MEDIA THICKNESS

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Background SLE is a strong risk factor for premature CVD and mortality. We investigated which factors could explain poor prognosis in SLE compared with controls.

Methods Patients with SLE and age- and sex-matched controls were recruited for this prospective study. Carotid ultrasound was performed at inclusion. The outcome was