patient 2. CDAI decreased from 31.8 to 7.4 in 12 months in patient 1 and 34.6 to 10.7 in patient 2. Skin thickness evaluated with the 17 site modified Rodnan skin score improved in patient 1 (from 23 to 2) and patient 2 (from 15 to 8) in 12 months.

Adverse reactions were observed cellulitis in right foot planter at 6 week treatment in patient 2. She did withdrawal tocilizumab for 4 week. After cure cellulitis, she continued tocilizumab treatment.

Conclusions: In the two cases of RA with SSc that we report here, softening of the skin was observed during the treatment with tocilizumab. Tocilizumab may be effective against RA and SSc for which conventional treatment is inadequate.

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AB0768 OSTEOMYELITIS COMPLICATING DIGITAL ULCERS IN SYSTEMIC SCLEROSIS

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Background: Skin ulcers are a frequent manifestation of systemic sclerosis (SSc). Skin ulcers are painful, represent a cause of disability and heavily affect patients' quality of life. The presence of local infection may be responsible for osteomyelitis (OM) of the underlying bone. If gangrene develops, surgical amputation may be required. At the moment is not clear if there are predisposing factors to osteomyelitis development.

Objectives: To describe a population of SSc patients affected by cutaneous ulcers and osteomyelitis

Methods: We collected data of SSc patients satisfying the 2013 ACR criteria for SSc referring to our outpatient clinic from January 1st 2016 to December 31st 2017. The patient's data were evaluated on the basis of individual clinical records, including demographic, clinical and serological findings. Cutaneous ulcers were defined as epithelial loss and loss of dermis; post-traumatic skin lesions were excluded. In cases suspected of infection, microbiological investigations were carried out. We have diagnosed OM by clinical, radiological and laboratory means, in particular the presence of pain, swelling, fever, erythema, purulent secretions, blood chemistry alterations and typical radiological characteristics at either plain X ray and/or MRI. Statistical analysis was performed using STATA software for descriptive analysis and groups comparisons. Given the low number of events only univariate analysis was conducted.

Results: A total of 189 patients were enrolled in the study. Of them, 21 (11.1%) were males, mean age was 64.39±12.5 years and median disease duration 11.59 (5.6–19.3) years. A diffuse cutaneous (dcSSc) involvement was present in 50 (26.5%), limited cutaneous (lcSSc) in 131 (69.3%) and a limited disease in 8 patients (lSSc) (4.2%). Digital ulcers (DU) were present in 29 patients (15.3%) and in 5 cases (2.6%) were complicated by the occurrence of OM. The pathogens responsible of the infections were isolated in 3/5 (60%) cases and were represented by: Methicillin-sensitive *Staphylococcus Aureus* (2 cases) and *P. Aeruginosa*, also multisensitive. OM affected the third finger of right hand in 2 (40%) patients, the second finger of right hand in 1 (20%) patient and the third finger of left hand in 2 patients (40%). In 2 cases (40%) surgical amputation had to be performed. Patients with OM were significantly younger (54.9±16.07 vs 64.65±12.34, p 0.0432) and had higher CRP levels than the rest of the patients (1.27±0.59 vs 0.42±0.74, p 0.0061). In patients with DU, the only predictive factor for the development of OM was the total number of ulcers in the single patient (OR 2.27, 1.39–3.71, p<0.001) while no significant influence was found for other demographic or disease specific parameter.

Conclusions: OM is a severe complication of DU in SSc. In most cases the aetiological agents are community-acquired pathogens. SSc patients with OM were younger but did not show any other obvious distinguishing feature. The number of ulcers in the single patients were predictive of OM development. Further and larger studies are needed to address this aspect of the microvascular involvement of SSc.

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AB0769 SCLERODERMA MIMICS IN COHORT FROM AN EUSTAR CENTRE

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Background: The differential diagnosis of systemic sclerosis (SSc) can be sometimes challenging, especially when you have symmetrical skin thickening, Raynaud's phenomenon (RP) or acroosteolysis. When symptoms and signs are unclear, patients should be referred to a specialist centre for assessment to differentiate between scleroderma and its mimics.

Objectives: Assessing the types of scleroderma mimics presenting in a tertiary care centre and underlining the diagnosis difficulties.

Methods: We evaluated a cohort of 140 patient admitted in our clinic with the suspicion of SSc from January 2007 until December 2017. 130 of them are with SSc and 10 patients with scleroderma mimics. The patients were evaluated for quality and distribution of skin involvement, the presence of systemic complications, the presence of scleroderma specific antibodies and the capillaroscopic pattern. If they haven't met any criteria for SSc, they underwent further specific investigations.

Results: From the 140 patients evaluated, 10 (7.14%) were with scleroderma mimics. All these 10 patients were admitted in our clinic with the suspicion of SSc. 3 of them had severe RP, one had acroosteolysis and 6 had symmetric skin thickening. There were 4 males and 6 females. All the patients had no organ involvement (pulmonary arterial hypertension or pulmonary fibrosis), normal capillaroscopic pattern and negative antinuclear antibodies and negativespecific scleroderma antibodies. The patients with RP had no skin sclerosis or other clinical or laboratory changes and the diagnostic was primary RP. The patient with acroosteolysis had no skin sclerosis or RP and after genetic testing a diagnosis of Hajdu-Cheney syndrome was made. The 6 patients with skin thickening had no RP. There were 2 patient with solvent induced scleroderma, 2 with scleroedema adultorum, 1 with scleromixedema, 1 with eosinophilic fasciitis. The 2 patients with solvent induced scleroderma had sclerodactily and one of them the "prayer sign" and they had a complete resolution of skin sclerosis after eliminating the solvent exposure after a few years of follow up. The 2 patients with scleroedema adultorum had no underlying gammopathy or infections. The patient with eosinophilic fasciitis had extended skin thickening with eosinophilia ant typical aspect on MRI, with partial clinical resolution after immunosupresion. The patient with scleromixedema had associated hypothyroidism. The period from first symptoms to diagnosis was variable from months to years.

Conclusions: Even though are rare, scleroderma mimics can be a challenging diagnostic even in tertiary care centre and sometimes diagnostic can be delayed. A correct diagnostic is necessary to avoid unnecessary immunosupresion.

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AB0770 18 FDG PET/CT PREDICTS DECLINE IN FUNCTIONAL RESPIRATORY TESTS IN SYSTEMIC SCLEROSIS PATIENTS BUT NOT IN RHEUMATOID ARTHRITIS PATIENTS

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Background: Interstitial lung diseases (ILD) it's a frequent complication in connective tissue diseases (CTD) such as rheumatoid arthritis (RA) or systemic sclerosis (SS), but the lung is the only affected organ in the idiopathic pulmonary fibrosis (IPF). Nonspecific interstitial pneumonia (NSIP) is the more frequent form in SS while usual interstitial pneumonia (UIP) predominates in RA patients and in the IPF form. Some studies suggested that 18-FDG-PET/CT could help to detect zones of activity in lung tissue in IPF and this in turn could predict the disease