honorary from Pfizer outside this work, Giorgio Carlini Consultant for: G Carlini had received honorary fees from Pfizer, Janssen, Abbvie, Roche, UCB, Abbvie Consultant for: R Bucci has received consultancy fees and/or speaker honoraria from Pfizer, Sanofi, MSD, BMS. Speakers bureau: R Bucci has received consultancy fees and/or speaker honoraria from Pfizer, Sanofi, MSD, BMS, Angelo Semeraro Speakers bureau: A Semeraro has received speaker honoraria from Sanofi, Roche, Abbvie, BMS, MSD, Novartis, Antonio Marisco: None declared, Daniela Mazzotta: None declared, Paola Chiara Francesca Falappe consultant for: PC Falappe had received consultancy fees and/or speaker honoraria from Amgen, Abbott, MSD, BMS, outside this work, Speakers bureau: PC Falappe had received consultancy fees and/or speaker honoraria from Amgen, Abbott, MSD, BMS, outside this work, Speakers bureau: F Iannone has received consultancy fees and/or speaker honoraria from Pfizer, Abbvie, BMS, MSD, Novartis, Lilly. UCB outside this work


AB0291B

A COMPARISON OF THE JOINTS ULTRASONOGRAPHY REMISSION IN RHEUMATOID ARTHRITIS: CONSIDERING NEW CUT-POINTS OF COMPOSITE DISEASE ACTIVITY INDICES ACCORDING TO THE ABSENCE OF SYNOVITIS BY ULTRASONOGRAPHY

Asami Abe1, Hajime Ishikawa1, Kunihiko Wakaki2.

UCB outside this work and/or speaker honoraria from Pfizer, AbbVie, BMS, outside this work, Speakers bureau: F Iannone has received consultancy fees and/or speaker honoraria from Amgen, Abbott, MSD, BMS, Novartis, Lilly. UCB outside this work, Speakers bureau: PC Falappe had received consultancy fees and/or speaker honoraria from Pfizer, Abbvie, BMS, MSD, Novartis, Lilly. UCB outside this work, Speakers bureau: F Iannone has received consultancy fees and/or speaker honoraria from Pfizer, Abbvie, BMS, MSD, Novartis, Lilly. UCB outside this work

Background: In the treatment of Rheumatoid arthritis (RA), early diagnosis and early treatment with tight control have become increasingly important with the advent of biological therapy. Ultrasonography (US) of the various joints enables the real-time evaluation of synovial hypertrophy, effusion and bone erosion. Power Doppler (PD) ultrasound is able to identify both subclinical synovitis and early erosive disease.

Objectives: The objectives of this study were to investigate whether the image of US at the operated joint reflect synovium histological findings or clinical indicators, and to compare the results in the patient treated by non-biological agent (NonBio) and biological agent (Bio)

Methods: RA related orthopedic surgery was performed at 1267 joints including 17 shoulders, 160 knees, 96 elbows, 378 wrists, 364 fingers, 38 ankles and 234 toes during the period between January 2011 and December 2018 at our rheumatic center. Preoperatively, ultrasound evaluations were performed and grade of PD signal was determined at the part with the highest signal. PD signal consists 4 grades from grade 0 to 3. The operations were performed within one week after the ultrasound evaluations. Rooney score of the synovium histology, DAS28-ESR, CRP, MMP-3, CRP were investigated. Rooney score represents the histologic features in the synovium of RA. It includes 6 features i.e. synovio cytes hyperplasia, fibrosis, proliferating blood vessels, perivascular infiltrates of lymphocytes, focal aggregates of lymphocytes, diffuse infiltrates of lymphocytes. They were scored separately on a scale of 1-10.

Patients had a median (ICR) DAS28-ESR of 2.32 (0.60), the proposed US definition of remission were determined by ROC curves. Results: Patients had a median (ICR) DAS28-ESR of 2.32 (0.60), the proposed US definition of remission were determined by ROC curves.