AB0038 RHEUMATOID ARTHRITIS WITH SACROILITIS

WW MořoE, DK KapoEka, UB Brych, AT Tarka, RK Kocur. *Rheumatology, Silesia Hospital, Ustron, Poland*

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Background What is the form of rheumatoid arthritis (RA) with asymmetric peripheral arthritis, sacroilitis and present rheumatoid factor (RF).

Objectives The aim of this work is a presentation rheumatoid arthritis considering an illness beginning, increase's dynamics of RF and sacroilitis.

Methods 41 cases of RA sacroilitis and increased RF were retrospectively analysed considering clinical, radiological and laboratory indices.

Results Monoarthritis appeared as often as not in knee-joints (42%), talus-joints (44%) and single joints of hand (41%). Radiological asymmetry of sacroilitis was found in 27%. there appeared 42% (10) atlantodontoid subluxations from among 24 X-ray pictures. In 49% of analysed a degree of arthritis changes was twice as advanced in peripheral joints than sacroiliac joints. In 22% the progression of radiological changes correlated with RF Titre. In laboratory research: there was increase dynamics of RF in 51%. In 71% Cases (15 examined) ascertained high circulating immuno complexes. in 26% (38 examined) ascertained increased gamma globulins. Other inflammation parameters were also high. Among accompanied disorders important were: hypertension blood in 51%, cystes of renals in 27% (26 examined).

Conclusion

- RA with sacroilitis and present RF is an aggressive and systemic form.
- It begins tricky with single joints.
- Progression of destructive changes is most advanced in peripheral joints and cervical vertebral column than sacroiliac joints.
- Symptomatically often accompany vasculitis and gammopathy.

AB0039 INVESTIGATION OF INTRARENAL HEMODYNAMICS IN PATIENTS WITH RHEUMATOID ARTHRITIS

BF Nemtsov, GA Postnikova, OV Simonova. *Internal Medicine, Kirov State Medical Academy, Kirov, Russia*

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Background Impairment of the kidneys in case of rheumatoid arthritis (RA) is one of the most severe complications and results in unfavourable prognoses.

Objectives To investigate intrarenal hemodynamics (IRHD) in patients with diverse clinical forms of RA.

Methods 43 RA patients were studied according to ACR criteria. Of them, there were 36 females and 7 males. The mean age was 47.8 years. The average duration of RA was 7.8 years. Extraarticular symptoms were revealed in 23 patients. 18 patients had arterial hypertension. 14 had steroid dependence. 11 patients had chronic nephropathy without kidney failure. 3 patients had secondary amyloidosis. IRHD was studied by means of renal functional reserve (RFR). RSR was studied by means of dynamic evaluation of glomerulofiltration with oral protein tests (0.7 gr of proteins per 1 kg of weight).

Results Disorders of IRHD (RFR < 5%) were revealed in 17 RA patients including 3 patients with secondary amyloidosis. Of note are the following clinical features of this group: in 11

patients, duration of RA was more than 12 years; 12 patients had other extra articular symptoms and arterial hypertension; IRHD disorders were revealed in 5 patients who had no clinical and laboratory renal abnormalities. Those 5 patients had pre-existing arterial hypertension, extra articular symptoms and RA duration was more than 10 years.

Conclusion IRHD disorders were revealed in severe cases of RA with signs of nephropathy. However, our findings of RFR disorders in patients, who had no nephropathy, required evaluation and estimation of IRHD in patients with RA duration over 10 years, associated arterial hypertension and extra articular symptoms.

AB0040 THE INFLUENCE OF THE WAR CONDITIONS ON THE TREATMENT COURSE OF RHEUMATOID ARTHRITIS

N Kapidzic-Basic, H Seleskovic, S Kikanovic, S Mulic. *Rheumatology, Clinic for Physical Medicine and Rehabilitation, Tuzla, Bosnia and Herzegovina*

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Background Complicated therapy of the rheumatoid arthritis does not always give satisfying results so there is an opinion that the disease progresses with or without the treatment. During the war in Bosnia and Herzegovina (BiH) neither diagnostic nor therapy were possible and difficulties went on after the war. Humanitarian aid brought only certain amount of medications from the NSAIDs group, and DMARDs were used rarely.

Objectives The aim of this work was to determine the severity of the change on locomotion system of RA patients who did not take DMARDs therapy during the war and to determine functional disability of those patients.

Methods Examination was conducted on 100 RA patients (according to modified ACR criteria) who had no therapy, but occasional NSAIDs during the 6 year period, nor physical therapy. Control group was 40 RA patients who lived outside of BiH during the war and who had taken DMARDs and physical therapy. Both groups were comparable with the length of the disease. The activity of the disease was evaluated (ESR, CRP, morning stiffness, visual analogue scale of pain, Ritchie index of joints sensitivity) as well as functional state index measured by HAQ, range of motion (ROM) and radiological examination.

Only one part of this large study will be presented here.

Results Mean duration of the disease was 12,1 years (SD 8,3). According to HAQ three groups were made: mild disability 0–1 (11% of patients), moderate 1,01–2.0 (40% of patients) and severe 2,01–3 (49%). 4% of patients had no movement. HAQ results of the control group were following: 67,5% of patients were in the I group, 30% patients were in the II group and 2,5% of patients were in the III group. In the study of Wolfe *et al.*¹ 43,25% patients were in the I group, 42,5% of patients were in the II group and 14,5% of patients were in the III group. And all other parameters were worse than the ones in the control group.

Conclusion It is obvious that disease strongly progresses without the usage of the drugs and physical therapy. More than half of the patients in the examined group were dependable on other people's help. Problems with the therapy of RA patients do not end with the end of the war because inhabitation became poor and the RA therapy is very expensive for the most patients.