

Socio-demographic and clinical aspects of rheumatoid arthritis

Abstract:

To determine the socio-demographic profiles and some clinical aspects of patients with rheumatoid arthritis (RA). DESIGN: Prospective, cross-sectional study. SETTING: Ambulatory out-patient clinics of Kenyatta National Hospital (KNH), a public national and referral hospital. SUBJECTS: Out of 180 patients interviewed and examined, 60 met American College of Rheumatology (ACR) diagnostic criteria of RA. RESULTS: Of the 60 patients recruited 52 (87%) were females with male: female ratio of 1: 6.5. The mean age of patients was 41.38(+/- 16.8) years. There were two peaks of age of occurrence, 20-29 and 40-49 years. In 75% of the study patients, one or more of metacarpophalangeal joints of the hand were involved in the disease. Other frequently involved sites were--wrists, elbows, knees, ankles and glenohumeral joints of shoulders in a symmetrical manner. Serum rheumatoid factor was positive in 78.9% while rheumatoid nodules were present in 13.3% of the study patients. A large majority of patients (88%) had active disease with 18% having mild disease, 38% moderate activity and 32% having severe disease. Only 12% of patients had disease in remission. Forty six point seven per cent (46.7%) of the study patients were on at least one Disease Modifying anti Rheumatic Drugs (DMARD) from a selection of methotrexate, sulphasalazine, hydroxychloroquine and leflunamide. The most frequent drug combination was methotrexate plus prednisolone at 30% of the study population; while 66.7% were on oral prednisolone with 25% of the study patients taking only Non-Steroidal anti Inflammatory Drugs (NSAIDS). CONCLUSION: A large majority of ambulatory patients with RA had active disease. Most of them were sub-optimally treated, especially the use of DMARDS. About two thirds were on oral steroids. Sub-optimal therapy in relatively young patients, peak 20-29 and 40-49 years is likely to impact negatively on their disease control and quality of life.