

## МЕДИЦИНСКАЯ ВИЗУАЛИЗАЦИЯ

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**Simultaneous sacroiliitis and symphysis pubis***J. F. de Carvalho*

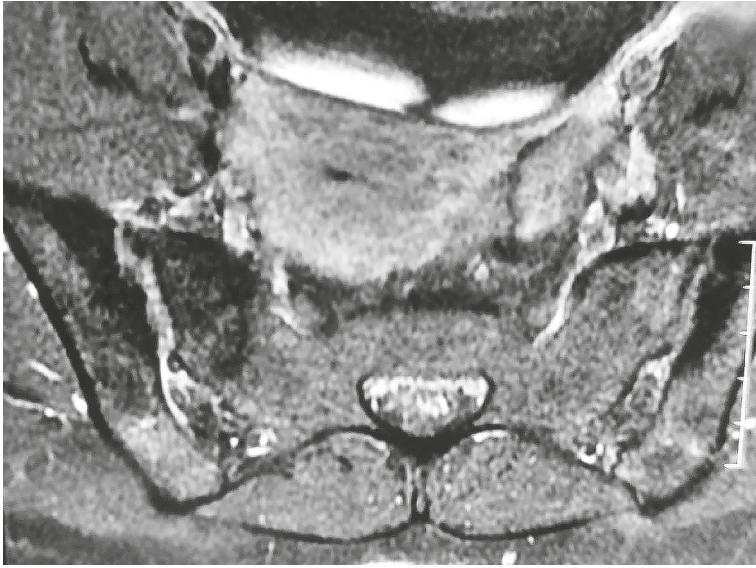
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This is the description of a rare, documented association of sacroiliitis with symphysis pubis.

A 37-year-old woman experienced low back pain since 2009 with inflammatory characteristics (worse at rest, improvement during movement) associated with morning stiffness of 2 hours. Her X-ray demonstrated sacroiliitis. A magnetic resonance image (MRI) showed bilateral bone edema of the sacroiliac joints with enhancement after gadolinium injection (Fig. 1). At the same time, a magnetic resonance image revealed edema on her symphysis pubis better showed after contrast infusion and reduction of joint space (Fig. 2). HLA-B27 was positive. C-reactive protein and erythrocyte sedimentation rate were within normal range, 0.44 mg/l and 11 mm/1<sup>st</sup> hour, respectively. Rheumatoid factor and antinuclear antibodies were negative. A diagnosis of spondyloarthritis was made and she was treated with non-steroidal antiinflammatory drugs. She experienced slight improvement of her symptoms and she is waiting for anti-TNF therapy.

Spondyloarthritis patients may have involvement of their symphysis pubis. In fact, Helliwell et al. [1] have radiologically evaluated 91 subjects with spondyloarthritis and revealed that 31 % of ankylosing spondylitis patients, 30 % of enteropathic spondyloarthritis, 25 % of psoriatic arthritis and 14 % of reactive arthritis have symphysis. The authors performed single radiographies in that study. We were not able to find any study that evaluated the frequency of symphysis pubis in spondyloarthritis patients using modern techniques such as MRI. Recently, we described a case of symphysis pubis after pregnancy [2].



*Fig. 1. Magnetic resonance imaging T2 signal demonstrating irregularities, bone marrow edema and synovitis of sacroiliac joints*



*Fig. 2. Magnetic resonance imaging T2 signal demonstrating irregularities, subcortical cysts, bone marrow edema of symphysis pubis*

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## Одновременные сакроилеит и лобковый симфизит

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