

Abstract

NAME: Acute and chronic inflammatory diseases of skeletal system

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This diploma thesis summarizes information about acute and chronic inflammatory diseases of the skeletal system. In the first part the skeletal system is described and agents of disease are analyzed. The most common agents are staphylococci, especially *Staphylococcus aureus*, streptococci, pneumococci and *Haemophilus influenzae*. In the next part the individual diseases are analyzed, the methods of their diagnosis and therapy are mentioned. Diagnosis of inflammatory diseases of the skeletal system is often complicated and is based on a detailed anamnesis. For all the diseases, the therapy consists of pharmacological, surgical and complementary therapy. All these diseases cause pain and often complicate life. Basic diagnostic methods used for diagnosis are imaging examination methods such as RTG, CT, MR or scintigraphy. Laboratory examinations are appropriate but not always authoritative. The treatment of inflammatory diseases of the skeleton is based on non-steroidal anti-rheumatic drugs, disease modifying antirheumatic drug (DMARDs), antibiotics and biological drugs.

KEY WORDS: skeletal system, inflammation, osteomyelitis, arthritis, orthopedic tuberculosis