and the scoliometry - measurement of angle of trunk rotation (ATR). Seven degrees of ATR was chosen as cut-off point for referral to radiography.
Results: During school spinal screening we detected 773 children with spine deformities, the majority was determined for the first time. Functional spine deformities were found in 641 pupils presenting as round back (15,9%), flat back (18,3%), lordotic (4,8%), kypholordotic (11,9%) and asymmetric (49,1%) posture. Scoliosis gr.I-II was detected in 132 pupils who presented positive on both standing, forward bending test and scoliometry > 7°. There were 82 (62,1%) girls and 50 (37,9%) boys. Definitive diagnosis was confirmed on standing spondilography. The individual treatment program was created for everyone.
Conclusions: The proposed complex examination scheme including orthopedic clinical and instrumental examination, provides to determine the risk factors of development of spinal deformity, monitoring ensures the accuracy of diagnosis, prediction of the disease and helps to improve clinical and functional outcomes of rehabilitation.
Keywords: spine deformities, scoliosis, school spinal screening, complex examination, rehabilitation

PLATELET-RICH PLASMA IN TREATMENT OF DEGENERATIVE AND TRAUMATIC LESIONS

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Objectives: Platelet-rich plasma (PRP) is defined as a portion of the plasma fraction of autologous blood having a platelet concentration above baseline PRP also has been referred to as platelet-enriched plasma, platelet-rich concentrate, autologous platelet gel, and platelet releasate. PRP serves as a growth factor agonist and has both mitogenic and chemotactic properties. It contains a high level of platelets and a full complement of clotting and growth factors. Analyze of methods use PRP-therapy in different osteo-articular diseases and artroscopical surgery, benefits comparative with surgery without PRP-therapy, benefits PRP-therapy in postsurgical rehabilitation.
Methods: The study includes analysis of cases of non-surgical and arthroscopic treatment of patients with traumatic injuries and degenerative medial femoral condyle chondropathy associated with grade 2-3 treatment that followed in 2013-2015. Clinical evaluation was performed by visual- verbal scale (VAS) in all patients, analysis of five significant factors for patients: pain, mobility, functional disability, return to work loaves disease, satisfaction followed effective treatment. Cartography was the best MRI investigation, which has proven effective for stimulating regenerative chondral
Results: the result was significantly better in patients with chondropathy that followed PRP therapy, clinical improvement is much taller than improving ascertained by MRI. The greatest differences in satisfaction or certificate received treatment and return to usual activities. For patients with synovitis brief duration of postsurgical patients that followed PRP postsurgery therapy was 3 times smaller
Conclusions:
1. The use of PRP therapy in patients with medial femoral condyle chondropathy gr.2-3 in postsurgical rehabilitation 2 times shortened recovery period.
2. The number of people who returned to work or professional sports was 35% higher in the group that followed PRP therapy
3. High efficiency PRP therapy allows to recommend the conduct regular medical rehabilitation in this patient group
Keywords: chondropathy; PRP therapy; knee artroscopy;

THE CERVICAL PAIN SYNDROME IN CHILDREN AND TEENAGERS

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Purpose: to find the diagnostic methods for determining the etiology of the cervical pain syndrome; to elaborate the optimal treatment strategy.
Materials and methods. The clinical experience is based on the results of examination and treatment of 587children 3-17 years old over the 15-year period. The acute pain was noticed at 138(23.5%) patients and the chronic one – at the 449(76.5%).
Results: All the cases of the acute pain syndrome were caused by the acute subluxation in the atlanto-axial joint. In 111(80.4%) cases it appeared after a trauma and in 27(9.6%) – after inflammatory processes in the nasopharynx. The C1-C2 subluxation was also determined at 393(87.5%) children with the chronic pain syndrome. The pain at these patients was always accomplished with the symptoms of vertebro-basilar insufficiency and different neurological signs. At the another.