## Classification of the observed abnormalities in the orthopedic examination

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| **Summarized concept** | **Included abnormalities** |
| Shoulder abnormalities | * Shoulder tilt * Scapula alata * Shoulder mobility |
| Upper body and spine abnormalities | * Waist triangle * Rib hump * Lumbar roll * Cervical lordosis * Thoracic kyphosis * Lumbar lordosis * Thoracic shape * Spinal rotation * Spinal lateral tilt * Spinal reclination * Plumb line deviation |
| Lower extremity abnormalities | * Leg axis * Foot position * Knee axis * Gait pattern * Single-leg stance * Toe walking * Heel walking * Pelvic tilt * Hip mobility * Leg length discrepancy |
| Muscular abnormalities | * Increased paravertebral muscle tone * Trapezius muscle tone increase * Quadriceps muscle shortening * Hamstring muscle shortening * Strength assessment |
| Pain | * Spinal percussion tenderness * Kidney percussion tenderness * Sacroiliac joint tenderness * Acute back pain * Localization of back pain * Triggers of back pain * Positive Lasègue test |