

## Malposition (deformity)

Curvatures and spondylolisthesis of the lumbar spine are relatively common. For reasons not yet known, the lumbar spine can become curved with increasing age, which then leads to incorrect loading of the vertebral joints and the intervertebral discs and accelerates the wear process of these structures. Figure 1 illustrates very clearly how quickly this process can progress. Between the picture on the left (Fig.1a) with the beginning and the picture on the right (Fig. 1b) with a very pronounced curvature are only eight years!



Figure 1a



Figure 1b

Vertebral slippage, i.e. the forward displacement of a vertebra, is also not uncommon and is caused by the degeneration of the intervertebral disc (compare Fig. 2). The vertebral joints are massively overloaded by spondylolisthesis, which leads to rapid joint wear (arthrosis) and corresponding symptoms.

In the case of curvature and spondylolisthesis, the first symptom is low back pain. In the more pronounced stage of curvature or spondylolisthesis, there may also be symptoms of nerve entrapment (see Figure 3) with the corresponding nerve pain in one or both legs.

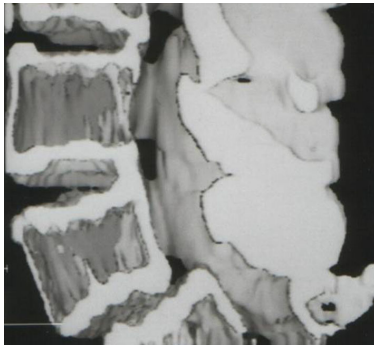


Figure 2



Figure 3