Some problems are detectable only when the patient is in an upright position. These are lumbar spine images of a patient who had undergone back surgery but was continuing to experience pain. The image on the left was acquired with the patient lying down (recumbent). The picture shows a normal alignment of the vertebrae. However, when the patient was scanned in an upright position (right image), a dramatic spinal instability was clearly revealed. This problem was visible only when the patient was scanned upright and would have gone undiagnosed on a conventional, lie-down MRI scanner.

Case Study: Postoperative Hypermobile Instability

The recumbent scan (left image) for this patient with recurrent back pain and polyradiculopathy following L4-S1 laminectomy and fusion is shown on the left. The upright scan (right image) shows postoperative intersegmental hypermobile instability associated with mobile fluctuating stenosis of the central spinal canal at the level above spinal fusion.

I-94 From the South/Chicago
Continue on I-94 westbound toward Milwaukee (the Edens Expressway). When I-94 and Route 41 split (just after the Dundee Road exit), continue on Route 41 north. Exit at Lake Cook Road and turn left. Follow Lake Cook Road until you cross Waukegan Road. Turn left at the next light into Deerfield Park Plaza.

I-294 From the South/Chicago
Take I-294 north toward Milwaukee. Exit at Lake Cook Road. Make a right or head east. We are the second stoplight past Pfingsten Road on the south side, after Home Depot and the viaduct. Turn right at the light for the Deerfield Park Plaza.

I-294 From the North/Gurnee
Take I-294 S to Lake Cook Road Exit. Exit and take a left or head east on Lake Cook Road, past Home Depot and under the viaduct. We are the second stoplight past Pfingsten Road. Turn right at the light for the Deerfield Park Plaza.