Pain arising from the shoulder can on occasion mimic pain from the spine. If symptoms and signs of radiculopathy are absent, then the differential diagnosis includes mechanical shoulder pain (bicipital tendonitis, frozen shoulder, bursitis, rotator cuff tear, dislocation, adhesive capsulitis, or rotator cuff impingement under the acromion) and referred pain (subdiaphragmatic irritation, angina, Pancoast tumor). Mechanical pain is often worse at night, associated with local shoulder tenderness and aggravated by passive abduction, internal rotation, or extension of the arm. Demonstrating normal passive full range of motion of the arm at the shoulder without worsening the usual pain can help exclude mechanical shoulder pathology as a cause of neck region pain. Pain from shoulder disease may radiate into the arm or hand, but focal neurologic signs (sensory, motor, or reflex changes) are absent.

GLOBAL CONSIDERATIONS

Many of the considerations described above for LBP also apply to neck pain. The Global Burden of Diseases Study 2019 reported that neck pain ranked second only to back pain as a cause of total years lived with disability (YLD). In general, neck pain rankings were also higher in developed regions of the world.

TREATMENT

Neck Pain Without Radiculopathy

The evidence regarding treatment for neck pain is less comprehensive than that for LBP, but the approach is remarkably similar in many respects. As with LBP, spontaneous improvement is the norm for acute neck pain. The usual goals of therapy are to promote a rapid return to normal function and provide pain relief while healing proceeds.

Acute neck pain is often treated with NSAIDs, acetaminophen, cold packs, or heat, alone or in combination while awaiting recovery. Patients should be specifically educated regarding the favorable natural history of acute neck pain to avoid unrealistic fear and inappropriate requests for imaging and other tests. For patients kept