Footprint reconstruction in a rotator cuff tear associated cyst of the greater tuberosity: augmented anchorage.

Abstract:
Tears of the rotator cuff (RC) complicated by bone cysts at the footprint might represent a challenge for the shoulder surgeon. This might be additionally aggravated in elderly patients with inferior bone quality due to osteopenia or osteoporosis. In this report we present a technique for open repair of RC tears by augmenting the cystic lesion at the greater tuberosity using bone void filler in combination with a double row anchor reconstruction technique. Despite disadvantageous position and size of the cyst, using this technique the footprint can be restored by obtaining an anatomical position of the supraspinatus tendon. The application range of this technique is not limited to defined bony defects and presents a promising novel surgical approach. Level of evidence V.

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