All-Arthroscopic Patch Augmentation of a Massive Rotator Cuff Tear: Surgical Technique

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Massive rotator cuff tears can be difficult to surgically address. Failure rates range between 20% and 90%. Multiple arthroscopic and open repairs and reconstructions have been described, but no current “gold standard” exists. Failure is multifactorial, but lack of healing at the tendon-footprint interface is usually considered the primary adverse event. When tendon quality is poor and healing is a concern, some surgeons advocate patch augmentation to improve the biology of rotator cuff repair. Several outcome series have shown promising short-term results for this technique. In this video, we present a novel all-arthroscopic technique for rotator cuff repair with patch augmentation. Preoperative imaging, a complete arthroscopic procedure video, and schematics are shown.