MEDICAL BREAKTHROUGHS
RESEARCH SUMMARY

TOPIC: 3D PLANNING FOR SHOULDER REPLACEMENT
REPORT: **MB #5123**

BACKGROUND: In the past, patients with severe injuries were often treated with over-the-counter pain medications and rest, but over time this caused pain, tears, and traumatic rotator cuff injuries that potentially led to more broken bones. Today, shoulder replacements are among the favored surgical procedures. Replacements are usually performed with anatomic or reverse implants. People that receive these implants today now often return home the same day they undergo the surgery with outpatient therapy.
(Source: https://newsnetwork.mayoclinic.org/discussion/mayo-clinic-q-and-a-what-is-new-with-shoulder-replacement/)

DIAGNOSING: The most common signal that a shoulder replacement is necessary is pain in the shoulder area, even during basic tasks. Things like getting dressed, doing laundry, and making dinner will cause mislay of motions and frailty in the shoulder region. A doctor will determine whether a replacement is necessary, by ordering X-rays that detect bone spurs, damaged joint surfaces, and narrowed joint places. . These scans will also locate any traumas or other injuries and from there a healthcare provider can gauge whether surgery is a necessary component in treating the fracture.
(Source: https://my.clevelandclinic.org/health/treatments/8290-shoulder-replacement#:~:text=You%20may%20be%20a%20candidate,have%20weakness%20in%20your%20shoulder.)

NEW TECHNOLOGY: At one time, shoulder replacement was very uncommon, but now, 258 in 100,000 people living in the United States have undergone the procedure. There are now personalized surgical tools and implants that allow you to return to sports and physical activity very quickly. Durability and function come back quickly, and most patients are able to return to their sport of choice.
(Source: https://newsnetwork.mayoclinic.org/discussion/mayo-clinic-q-and-a-what-is-new-with-shoulder-replacement/)

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If this story or any other Ivanhoe story has impacted your life or prompted you or someone you know to seek or change treatments, please let us know by contacting Marjorie Bekaert Thomas at mthomas@ivanhoe.com