



MRI Statement

ACUTE Innovations metallic implants are manufactured from titanium or stainless steel which are non-magnetic materials. Studies have suggested that such implants are MRI compatible and do not pose any additional dangers to patients. However, there are numerous types of MRI equipment on the market and ACUTE Innovations makes no claims as to the compatibility of its implants with various MRI equipment. ACUTE Innovations recommends contacting the manufacturer of the MRI equipment or the surgeon to determine MRI compatibility of our implants.

MRI Compatibility Articles

Shellock FG, Crues JV. High-field-strength MR imaging and metallic biomedical implants: an ex vivo evaluation of deflection forces. *AJR AM J Roentgenol*, 151(2):389-93, 1988.

Shellock FG. Magnetic resonance safety update 2002: implants and devices. *Journal of Magnetic Resonance Imaging*, 16(5):485-96, 2002.

Kumar R, Lerski RA, Gandy S, Clift BA, Abbound RJ. Safety of orthopedic implants in magnetic resonance imaging: an experimental verification. *J Othop Res*, 24(9):1799-802, 2006.

<http://www.azom.com/Details.asp?ArticleID=1140>

Ebraheim, N. A., R. E. Coombs, and W. T. Jackson. "The effect of metallic implants on magnetic resonance imaging. A brief note." *Journal of Bone and Joint Surgery* 73 (1991): 1397-398.

Bendel, LP, FG Shellock, and M Steckel. "The effect of mechanical deformation on magnetic properties and MRI artifacts of type 304 and type 316L stainless steel." *Journal of Magnetic Resonance Imaging* 6(1997): 1170-3. Print.