



Figure S1: MRI scan of a porcine knee joint with and without intravenous ferumoxytol injection. **(A)** Sagittal proton density weighted image of the knee joint shows negative (hypointense) contrast enhancement in the bone marrow (arrow) after intravenous ferumoxytol injection. **(B)** Proton density weighted image of a knee joint without intravenous ferumoxytol injection demonstrates no contrast enhancement in the bone marrow.