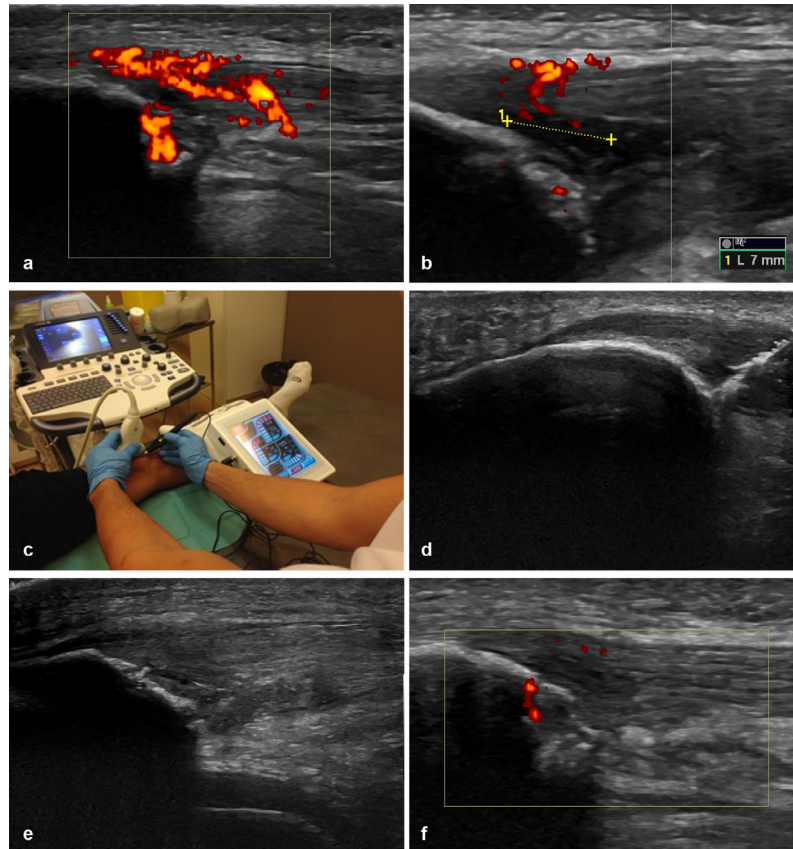


Clinical Image

Title: Intratissue Percutaneous Electrolysis (Epi®) in the Treatment of Patellar Tendinopathy

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Intratissue percutaneous electrolysis (EPI®) treatment is an actual ultrasound-guided technique that leads to a non-thermal electrochemical ablation through a cathodic flow directly at the clinical focus of degeneration. EPI® causes an organic reaction leading to a highly localized inflammation, exclusively at the region of treatment that conduces to a rapid regeneration of the injured tendon.

Figure Legends

a) High-resolution colour Doppler ultrasound images of patellar tendinopathy using linear multi-frequency probe (ML 6-15MHz.). Longitudinal view of the involved tendon showing a high degree of neovascularization, thickness and hypoechoic zones.

b) Shows the GAP of 7 mm in the proximal part of the tendon.

c) Intratissue Percutaneous Electrolysis (EPI®) technique.

d) Precise 0.3 mm ultrasound guided EPI® punctures on the injured region of the patellar tendon.

e,f) High-resolution gray-scale ultrasound of the same patient two months after initiation of the EPI® procedures. Note the remarkable decrease in the vascularization and hypoechoogenicity clearly seen in the longitudinal view.