



"Fusion Imaging-guided interventions outside the spine"

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Ultrasound has emerged as a low-cost, radiation-free and effective imaging technique to detect joint abnormalities and to guide percutaneous procedures.

Being superficial, wrist and hand tendons and joints represent a good target to perform such procedures using ultrasound guidance. This kind of approach allows for a clear and real-time visualization of the needles during their whole path. In this setting, the knowledge of technical aspects and tips is essential to act in the most accurate way on target tissues that can be as small as a few millimetres.

Local treatments of the most common inflammatory and degenerative disease such as treatment of De Quervain's tenosynovitis, trigger finger, trapezio-metacarpal joint osteoarthritis, will be described, also emphasizing precautions and tricks based on day-by-day experience.

Ultrasound-guided percutaneous procedures around the wrist and hand may help to improve the outcome of the most common inflammatory and degenerative disease.

