October 16, 2020	Imaging digital arteries in systemic sclerosis by tomographic 3-dimensional ultrasound	Objective methods are needed to quantify digital artery disease in systemic sclerosis (SSc) for clinical trials of vascular therapies.
January 01, 2020	Ultra-High Frequency Ultrasound, A Promising Diagnostic Technique: Review of the Literature and Single-Center Experience	Objectives: Ultra-high frequency ultrasonography (UHFUS) is a recently introduced diagnostic technique which finds several applications in diverse cli
January 01, 2018	The Quantitative Anatomy of the Dorsal Scapholunate Interosseous Ligament	Background: The anatomy of the scapholunate interosseous ligament (SLIL) has been described qualitatively in great detail, with recognition of the dor
October 19, 2020	Ultra–high frequency ultrasound imaging of sural nerve: A comparative study with nerve biopsy in progressive neuropathies	Nerve ultrasound has been used increasingly in clinical practice as a complementary test for diagnostic assessment of neuropathies, but nerve biopsy r
January 01, 2020	Current and future applications of ultrasound imaging in peripheral nerve disorders	Neuromuscular ultrasound (NMUS) is a rapidly evolving technique used in neuromuscular medicine to provide complimentary information to standard electr
December 16, 2018	Improving Stem Cell Delivery to the Trabecular Meshwork Using Magnetic Nanoparticles	Glaucoma is a major cause of blindness and is frequently associated with elevated intraocular pressure.
August 22, 2018	Hydrogen peroxide induced tendinopathic changes in a rat model of patellar tendon injury	Tendinopathy includes cases with chronic tendon pain and spontaneous tendon ruptures, which is putatively resulted from failed tendon healing.
July 25, 2018	Regional Deformation of the Optic Nerve Head and Peripapillary Sclera During IOP Elevation	PURPOSE: To measure the deformation of the porcine optic nerve head (ONH) and peripapillary sclera (PPS) in response to intraocular pressure (IOP) ele
January 01, 2018	High-Frequency Micro-Ultrasound Imaging and Optical Topographic Imaging for Spinal Surgery: Initial Experiences	High frequency micro-ultrasound (μUS) transducers with central frequencies up to 50 MHz facilitate dynamic visualization of patient anatomy with minim
January 01, 2018	Prevascularization of dermal substitutes with adipose tissue-derived microvascular fragments enhances early skin grafting	Split-thickness skin grafts (STSG) are still the gold standard for the treatment of most skin defects.
January 01, 2018	Development and evaluation of a CEACAM6-targeting theranostic nanomedicine for photoacoustic-based diagnosis and chemotherapy of metastatic cancer	Metastasis is the leading cause of cancer-related deaths.
January 01, 2018	Validation of ultrasound as a diagnostic tool to assess vocal cord motion in an animal feasibility study	Background: Post-thyroidectomy dysphonia can result from recurrent laryngeal nerve (RLN) injury.
January 01, 2018	Ultrahigh Frequency Ultrasound Imaging of the Hand: A New Diagnostic Tool for Hand Surgery	Background: Ultrasonography is a cost-effective, noninvasive, and expedient imaging modality with numerous clinical applications.
January 01, 2018	High-frequency spectral ultrasound imaging (SUSI) visualizes early post-traumatic heterotopic ossification (HO) in a mouse model.	PURPOSE Early treatment of heterotopic ossification (HO) is currently limited by delayed diagnosis due to limited visualization at early time points.
March 01, 2017	Development of an injectable pseudo-bone thermo-gel for application in small bone fractures	A pseudo-bone thermo-gel was synthesized and evaluated for its physicochemical, mechanical and rheological properties, with its application to treat s
February 01, 2017	Ultra High-frequency Ultrasound of Fascicles in the Median Nerve at the Wrist	Introduction: An ultra high-frequency (70 MHz) ultrasound device has recently been approved for human use.
January 01, 2011	Graft vasculopathy in clinical hand transplantation	Allogeneic hand transplantation is now a clinical reality.
January 01, 2010	Epidermal Thickness and Biomechanical Properties of Plantar Tissues in Diabetic Foot	Diabetic foot is a common complication for people with diabetes but it is unclear whether the change is initiated from the skin surface or underneath

December 01, 2009	High-resolution ultrasonography of the cutaneous nerve branches in the hand and wrist	Ultrasonography can be used in the diagnosis of various neuropathies, including nerve injury.