

2. **The 1st prize of Bracco Award** in Scientific exhibition of 2nd AOCNHNR 97. Hong-Jen Chiou, WY Guo, YH Chou, SY Chiou, CY Chang. "To verify complete obliteration of CCF: The role of color Doppler ultrasound" , Taipei, Taiwan, Mar 23-27, 1997
3. **The 2nd prize Award** of Scientific exhibition of 46th RSROC. Hong-Jen Chiou, YH Chou, SY Chiou, CY Chang. "To demonstrate the applications of high resolution ultrasound in musculoskeletal system", Taipei, Taiwan, Mar. 27-28, 1997.
4. **The 3rd place Award** of the Outstanding Scientific Exhibit Award in the category of Musculoskeletal System. Hong-Jen Chiou, YH Chou, SY Chiou, CY Chang. "High resolution ultrasonography of musculoskeletal system: Is it a necessary modality?" 5th congress of AFSUMB 98'.
5. 中華民國超音波醫學雜誌第六卷學術論文第一名. YH Chou, SK Lee, TY Chou, HJ Chiou, CC Hsu, CM Tiu, HS Tseng, JH Chiang, C Yu. Echo-enhancing sonography of hepatic tumors. J Med Ultrasound 6:123-129, 1998
6. 88年度國科會甲種研究獎勵. Hong-Jen Chiou, WY Guo, YH Chou, SY Chiou, CY Chang. " Verifying complete obliteration of carotid artery-cavernous sinus fistula: Role of color Doppler ultrasounography"
7. **The 2nd place Award** of Scientific Exhibition of 44th Annual Convention of AIUM. Hong-Jen Chiou, DY Huang, YH Chou, JJ Wu, CC Hsu, CM Tiu, CY Chang. Ultrasonography of shoulder lesions: An interactive multimedia CD-ROM teaching program. J Ultrasound Med 19(suppl):S126, 2000
8. 腦血管疾病防治基金會 千禧優秀論文獎 Hong-Jen Chiou, YH Chou, SY Chiou, CY Chang. "Verifying complete obliteration of carotid artery-cavernous sinus fistula: Role of color Doppler ultrasounography" 2000, 11
9. **Award for Excellence in Design**, Scientific exhibition in RSNA 86th Scientific Assembly and Annual Meeting. Hong-Jen Chiou, YH Chou, TY Huang, CJ Wu, J.S. Ko, CY Chang. Ultrasonography of shoulder, elbow, and wrist lesions: An interactive multimedia CD-ROM program. Radiology (suppl) 217:619, 2000
10. **Award of 1St Place**, in Scientific Exhibition of the AIUM 46th annual meeting. Hong-Jen Chiou, Yi-Hong Chou, See-Ying Chiou, Cheng-

Yen Chang, Ji-Bin Liu. High-resolution ultrasonography application in the peripheral nerve. J Ultrasound Med (Suppl) 21:S:116, 2002

11. **Certificate of Merit**, in Educational exhibition of RSNA 90th annual meeting. **Hong-Jen Chiou**, Yi-Hong Chou, See-Ying Chiou, Cheng-Yen Chang, Hsin-Kai Wang. Diagnosis of Soft Tissue Masses: The Role of High-Resolution Ultrasonography. RSNA scientific program: 738, 2004. Chicaco, IL., USA.
12. 中華民國超音波醫學雜誌第十三卷學術論文第三名 **Hong-Jen Chiou**, Wan-You Guo, Yi-Hong Chou, Hsiu-Mei Wu, Chao-Bao Luo, Jiing-Feng Lirng, David Hung-Chi Pan, Cheng-Ying Shiau, Cheng-Yen Chang. Color Doppler Ultrasonography to Verify the Closure of Dural AV Fistulae After r-Knife Radiosurgery. J Med Ultrasound.12(4)107-113, 2004
13. **Certificate of Merit**, in Educational exhibition of RSNA 104th annual meeting. Hsin-Kai Wang, YH Lin, YC Lai, Hong-Jen Chiou, Yi-Hong Chou. Hepatic venous congestion in living-donor liver transplantation: Review of ultrasound and CT findings. RSNA Nov. 25-30, 2018.
14. 傑出壁報論文特優獎。Outflow obstruction of middle hepatic vein and its tributaries after living-donor liver transplantation: Different patters of enhancement in contrast enhanced ultrasound. 張乃文，王信凱，邱宏仁，周宜宏。68th Annual meeting, RDROC, Mar. 23, 2019

Abstract for AFSUMB 2024:

A. US of ankle and joint: basics

Ankle trauma is very common in sport injury. Before treatment, diagnosis is very important, ultrasonography could demonstrate soft tissue very well including dermis, subcutaneous tissue, tendon, ligament, vessels and nerve, and even part of bony cortex and periosteum. Ultrasound could play a very important role in the assessment and management of ankle and foot pathologies. It offers a non-invasive, real-time method for evaluating the soft tissue structures and part of bony cortex. Through the high-resolution imaging, it could identify the conditions such as Achilles pathology, ATF tear, extensor and flexor tendinopathy, plantar fasciitis, etc, and allowing for prompt and accurate diagnosis. Moreover, US-guided interventions, including, repeated puncture, injections, dissecting and aspirations, enhance the precision of therapeutic procedures and improve patient outcomes. As a versatile imaging modality, ultrasound serves as an indispensable tool in the comprehensive assessment and treatment of ankle and foot disorders, contributing to enhanced clinical decision-making and patient care. I am going to present some interesting cases and slides to share with you.

B. Advanced Applications of Ultrasonography in Ankle Joint and Foot Diseases

Cutting-edge techniques and methodologies of ultrasonography could enhance the diagnostic capabilities and therapeutic interventions in this anatomical region. Advanced ultrasound modalities, such as high-frequency ultrasound and shear wave elastography, provide superior resolution and tissue characterization, enabling precise visualization of subtle abnormalities and elasticity in tendons, ligaments, and nerves. The integration of advanced ultrasonographic techniques, such as ultrasound elastography, fusion imaging and contrast-enhanced ultrasound, further enhances diagnostic capabilities, providing valuable information about tissue elasticity and vascularity. It could offer improved localization and delineation of complex structures, facilitating accurate diagnosis and treatment planning for conditions such as chronic tendinopathy, ligamentous injuries, and peripheral neuropathies. Furthermore, advancements in US-guided interventions, including percutaneous tenotomy and regenerative therapies, demonstrate promising outcomes in the management of chronic ankle and foot disorders. Overall, advanced ultrasound applications represent a paradigm shift in musculoskeletal imaging, revolutionizing the assessment and management of ankle and foot pathologies with enhanced accuracy, efficiency, and patient outcomes.