

CURRICULUM VITAE

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Medical Education

1993 ~ 2000 Graduated College of Medicine, National Cheng Kung University

2002 ~ 2006 Radiology Residency, Kaohsiung Medical University Chung-Ho
Memorial Hospital

Professional Experience

- 2006.08 ~ Staff in Department of Diagnostic Radiology/Medical imaging, NCKUH
- 2010.08 ~ Staff in Division of Traumatic Surgery, Department of Surgery, NCKUH
- 2012.08 ~ 2014.07 Staff in Innovation Center of Medical Devices and Technology, NCKUH
- 2013.08 ~ 2018.01 Assistant professor, Department of Medicine, College of Medicine, NCKU
- 2014.08 ~ Chief in Division of Interventional Radiology,
Department of Diagnostic Radiology/Medical imaging, NCKUH
- 2017.12 ~ Member of Executive Counsel, Taiwan Society of Interventional Radiology
- 2018.02 ~ Associate professor, Department of Medicine, College of Medicine, NCKU
- 2019.02~ Director, Department of Medical Imaging, NCKUH

Recent Publications

1. YS Liu, MC Ou, YS Tsai, XZ Lin, CK Wang, HM Tsai, MT Chuang. Transarterial chemoembolization using gelatin sponges or microspheres plus lipiodol-doxorubicin versus doxorubicin-loaded beads for the treatment of hepatocellular carcinoma. Korean Journal of Radiology 2015 Jan-Feb; 16(1):125-132 (SCI)

2. YS Liu, XZ Lin, HM Tsai, HW Tsai, GC Chen, SFg Chen, JW Kang, CM Chou, CY Chen. Development of biodegradable radiopaque microsphere for arterial embolization – a pig study. *World Journal of Radiology* 2015 Aug; 7(8):212-219
3. HM Tsai, CH Chuang, YS Shan, YS Liu, CY Chen. Features associated with progression of small pancreatic cystic lesions: a retrospective study. *World Journal of Gastroenterology* 2015 Dec; 21(47):13309-13315 (SCI)
4. MT Chuang, YS Liu, YS Tsai, YC Chen, CK Wang. Differentiating radiation-induced necrosis from recurrent brain tumor using MR perfusion and spectroscopy: A meta-analysis. *PLoS One* 2016 Jan; 11(1):e0141438 (SCI)
5. YL Tseng, JM Chang, YS Liu, L Cheng, YY Chen, MH Wu, CL Lu, YT Yen. The role of video-assisted thoracoscopic therapeutic resection for medically failed pulmonary tuberculosis. *Medicine* 2016 May; 95(18):e3511 (SCI)
6. YS Tsai, YS Liu, YH Shih, MT Chuang, YJ Lin, CH Lin, YC Lin. Lung density standard deviations obtained using high-pitch dual-source computed tomography are valid predictors of bronchopulmonary dysplasia in preterm infants. *Clinical Imaging* 2016 Jul-Aug; 40(4):594-600 (SCI)
7. TW Lin, MT Tsai, JN Roan, YS Liu, HM Tsai, CY Luo. Obscured hemorrhagic pancreatitis after orthotopic heart transplantation complicated with acute right heart failure and hepatic dysfunction: a case report. *Journal of Cardiothoracic Surgery* 2016 Dec; 11(1):166 (SCI)
8. CY Lin, MC Ou, YS Liu, MT Chuang, YS Shan, HM Tsai, CK Wang, YS Tsai. A CT-guided fat transversing coaxial biopsy technique for pancreatic lesion biopsy that avoids major organs and vessels. *Saudi Journal of Gastroenterology* 2017 Nov-Dec; 23(6):341-347 (SCI)
9. YS Liu, CY Lin, MT Chuang, YS Tsai, CK Wang, MC Ou. Success and complications of percutaneous transhepatic biliary drainage are influenced by liver entry segment and level of catheter placement. *Abdominal Radiology* 2018 Mar; 43(3):713-722 (SCI)
10. TM Kao, YS Liu, YS Shan, HJ Ch'ang, LT Chen. Cure of unresectable, locally advanced pancreatic cancer after multidisciplinary therapy. *Journal of Cancer Research and Practice* 2018 March; 5(1):27-31
11. YL Tseng, CC Chang, YY Cheng, YS Liu, L Cheng, JM Chang, MH Wu, YT Yen. From one incision to one port: The surgical technique and the evolution of segmentectomy in patients with pulmonary tuberculosis. *PLoS One* 2018 May; 13(5):e0197283 (SCI)
12. CY Lin, YS Liu, YH Shih, CC Chang, YC Chen, MT Chuang. Variations in the origin and course of the extracranial vertebral artery on multidetector computed tomography angiography. *Iranian Journal of Radiology* 2018 April; 15(2):e61623 (SCI)
13. YS Liu, CY Lin, MT Chuang, YS Tsai, CK Wang, MC Ou. Nitroglycerine use in transcatheter arterial (chemo) embolization in patients with hepatocellular carcinoma: five-year retrospective study. *Clinics and Research in Hepatology and Gastroenterology* 2018 Dec; 42(6):542-552. (SCI)
14. PY Chang, CC Huang, CH Hung, CY Yu, DK Wu, JI Hwang, PC Liang, RH Wu, WL Tsai, YJ Lin, YS Liu, HL Liang, RC Lee, CH Chen. Multidisciplinary Taiwan consensus recommendation for the use of DEBDOX-TACE in hepatocellular carcinoma treatment. *Liver Cancer* [in press] (SCI)

15. YS Liu, CY Lin, MT Chuang, CY Lin, YS Tsai, CK Wang, MC Ou. Five-year outcome of conventional and drug-eluting transcatheter arterial chemoembolization in patients with hepatocellular carcinoma. *BMC Gastroenterology* 2018 Aug; 18(1):124 (SCI)
16. MC Ou, YS Liu, MT Chuang, CY Lin, LT Huang, CY Lin. Comparing time-to-progression following conventional transcatheter arterial chemoembolization (cTACE) or drug-eluting bead TACE (DEB-TACE) in patients with large hepatocellular carcinoma (HCC). *Clinical Radiology* 2019 Apr; 74(4):295-300 (SCI)

Recent International Conference Presentation:

1. Comparison of Microspheres for TACE in an Animal Experiment.
- *Singapore Congress of Radiology (SGCR) 2016. Singapore.*
2. New Trend for HCC Patient Treatment.
- *Asian-Pacific Congress of Cardiovascular & Interventional Radiology (APCCVIR) 2016. Suzhou, China.*
3. Drug-eluting Bead for HCC Patients.
- *Asian-Pacific Congress of Cardiovascular & Interventional Radiology (APCCVIR) 2016. Suzhou, China.*
4. CT-guided coaxial core biopsy of the pancreas via a fat traversing route.
- *The 9th International Conference and Commemorative Lecture of Pin-Wen Lin of Pancreatic Cancer 2016. Tainan, Taiwan.*
5. Using T-ACE beads for embolization therapy of hepatocellular carcinoma.
- *Singapore Congress of Radiology (SGCR) 2017. Singapore.*
6. Advanced TACE in HCC: technical improvisation and outcome optimization.
- *Multidisciplinary Oncology Symposium Malaysia (MOSM) 2018. Kuala Lumpur, Malaysia.*
7. Using T-ACE beads for embolization therapy of hepatocellular carcinoma: first-in-human phase I study.
- *Global Embolization Symposium and Technology (GEST) 2018. Miami, United States.*