

CURRICULUM VITAE



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Sex: Male

Birth Place: Taipei, Taiwan, R.O.C.

Citizenship: Republic of China

Office Address: Thoracic & Cardiovascular Surgery, Chang Gung Memorial Hospital
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Education:

1994~2001 MD; Chang Gung University, Taoyuan, Taiwan

Post-Graduate Education:

2006/9~2011/8 PHD; Graduate Institute of Clinical Medical Sciences, Chang Gung University, Taoyuan, Taiwan

Employment Record:

July 2000~June 2001	Internship, Chang Gung Memorial Hospital
Aug 2001~Aug 2004	R1, R2 & R3, Div of General Surgery, Chang Gung Memorial Hospital
Aug 2004~Aug 2006	Fellow, Div of Thoracic & Cardiovascular Surgery, Chang Gung Memorial Hospital
July 15~31, 2006	Fellow, Div of Thoracic Surgery, National Cancer Center, Tokyo, Japan
Aug 2006~	Attending Staff, Div of Thoracic & Cardiovascular Surgery, CGMH
July 2008~June 2011	Lecturer, Div of Thoracic & Cardiovascular Surgery, CGMH
Aug 2009~Aug 2011	Lecturer, Department of medicine, Chang Gung University
July 2011~June 2014	Assistant professor, Div of Thoracic & Cardiovascular Surgery, CGMH
Aug 2012~Sep 2015	Assistant professor, Department of medicine, Chang Gung University
July 2014~June 2019	Associate professor, Div of Thoracic & Cardiovascular Surgery, CGMH
Oct 2015~ July 2020	Associate professor, Department of medicine, Chang Gung University
Jan 2016~	Vice-Director, Robotic surgery center, CGMH
July 2017~	Chief, Department of thoracic surgery, CGMH
July 2017~	Director, International Medical Center, CGMH
July 2019~	Professor, Div of Thoracic & Cardiovascular Surgery, CGMH
July 2020~	Chief, Department of Thoracic and Cardiovascular Surgery, CGMH
July 2020~	Vice-Director, Cancer center, CGMH
Aug 2020~	Professor, Department of medicine, Chang Gung University

Board Certification:

1. Taiwan Surgical Association, No:5333, 2005.
2. Taiwan Association of Thoracic & Cardiovascular Surgery, No: 324, 2006.
3. Taiwan Society of Pulmonary and Critical Care Medicine, No: 0909, 2006.
4. Taiwan Society of Critical Care Medicine, No: 297, 2007.
5. Taiwan Society for Vascular Surgery, No: S00407, 2007.

6. Taiwan Society of Thoracic Surgeon, No: 005, 2018.

Licensure: Chinese License No: 033577

Professional Affiliations:

1. Taiwan Surgical Association
2. Taiwan Association of Thoracic & Cardiovascular Surgery
3. Taiwan Society of Pulmonary and Critical Care Medicine
4. Taiwan Society of Critical Care Medicine
5. Taiwan Society for Vascular Surgery
6. Taiwan Society of Thoracic Surgeons

Research Interest:

1. Cardiovascular and Thoracic Surgery
2. Thoracic Oncology (Esophageal cancer)

Research Project (Principal Investigator):

1. 2007.11~2008.10 以免疫染色法探討食道癌經電化學治療後病理完全反應之機轉及預後因子分析
Evaluating mechanism of pathological complete response after induction CCRT in esophageal cancer
and prognostic factor identification (CMRPG361201) 長庚醫院
2. 2009.08~2010.07 以 RT-PCR array 來系統性探討食道癌經電化療後之機轉及預後因子 Systemic
evaluation of molecular mechanism and prognostic factors after neoadjuvant CRT in esophageal cancer
by RT-PCR array (NMRPG380041) 國科會 98-2314-B-182A-036-
3. 2009.09~2010.08 淋巴結微轉移在電化療後食道癌患者之預後意義 The prognostic significance of
lymph node micrometastases after chemoradiotherapy in esophageal cancer patients (CMRPG380961)
長庚醫院
4. 2011.01~2012.12 以高侵襲性細胞株及腫瘤轉移動物模式來系統性探討食道癌轉移相關機轉
Systemic evaluation of the molecular mechanism in esophageal cancer metastases: From invasion
subline to animal model (CMRPG290561) 長庚醫院
5. 2011.08~2012.07 以放射線抗性細胞株研究模式來尋找與食道癌放化療抗性相關之 microRNA 分
子 MicroRNA markers of radioresistance in esophageal cancer: from radioresistant subline to clinical
investigation (NMRPG2A0011) 國科會 100-2314-B-182A-018-
6. 2012.08~2014.07 以放射線抗性細胞株及動物模式來系統性探討 microRNA 在食道癌放療抗性相
關機轉 MicroRNA markers of radioresistance in esophageal cancer: from radioresistant subline to
animal (NMRPD1B1431/NMRPD1B1432) 國科會 101-2314-B-182-094-MY2
7. 2013.07~2014.12 以順鉑載子治療惡性肋膜積液動物模式 Cisplatin-eluting beads for malignant
pleural effusion: In vivo and in vitro studies (CMRPG3C1281) 長庚醫院
8. 2013.08~2014.10 使用可吸收性化療藥物釋放三層複合奈米薄膜預防食道癌切緣復發：體外及動
物模式 Prevention of margin recurrence in esophageal cancer using biodegradable
sandwich-structured nanofibrous cisplatin-eluting membranes: In vitro and in vivo study
(NMRPD1C0651) 國科會 102-2628-B-182-007
9. 2015.01~2016.02 以具抗生素釋放功能引流管治療膿胸：體外及動物實驗 Antibiotics eluting

- pigtail catheter for pleural space infection : in vivo and in vitro studies (CMRPG3E1091)長庚醫院
10. 2015.02~2016.09 以可吸收性帶化療藥物複合奈米薄膜預防食道癌環狀切緣復發: 腫瘤動物模式 Prevention of circumferential margin recurrence in esophageal cancer using biodegradable nanofibrous chemotherapeutic drug-eluting membranes: Animal cancer models (CMRPG3E0721) 長庚醫院
 11. 2015.08~2016.07 以順鉑載子治療惡性肋膜積液: 體外及腫瘤動物模式 Cisplatin-eluting pellets for malignant pleural effusion: In vivo and animal cancer models (NMRPD1E1191)科技部 104-2314-B-182-048
 12. 2016.10~2019.9 比較以術前斷層掃描輔助與術中多軸落地式X光攝影機輔助對微小肺腫瘤定位之優劣: 前瞻性臨床研究 Comparison of Preoperative CT Scan Guided and Intraoperative Hybrid DynaCT Scan-Guided Small Lung Tumor Localization: A Randomized Study(CMRPG3F1811)長庚醫院
 13. 2017.01~2017.12 利用全民健康保險研究資料庫及台灣癌症登記檔來建立食道癌病患接受放化療後是否能達到明顯反應之預測模型 Establishing a prediction model for chemoradiotherapy response in esophageal cancer by using National Health Insurance Research Database and Taiwan Cancer Registry(CMRPG3G0291)長庚醫院
 14. 2017.08~2018.07 以具磁導與腫瘤特异性膜抗原抗體分子雙重標靶功能之奈米順鉑化療藥物進行肋膜腔內高溫化學治療: 體外及腫瘤動物模式 Dual tumor-targeted cisplatin-conjugated magnetic nanoparticles for intrapleural thermochemotherapy : In vitro and animal cancer model(NMRPG3G0651) 科技部 MOST 106-2314-B-182-034
 15. 2017.10~2018.09 系統性分析食道鱗狀上皮癌病患接受化療及手術後之預後因子: 經同步性放化療後之食道癌的病人接受微創手術或傳統開胸手術治療後之結果比較 Safety and oncological outcome of Thoracoscopic esophagectomy for treatment of esophageal cancer after neoadjuvant chemoradiotherapy: a histological comparison with open esophagectomy using propensity-score matching analysis (CORPG3G0771/ CORPG3G0781)長庚醫院
 16. 2018.07~2019.06 食道鱗狀上皮癌接受胸腔鏡手術及達文西機器手臂手術的比較 Robotic-assisted Esophagectomy vs. Video-Assisted Thoracoscopic Esophagectomy(REVATE) : A Multicenter Open-label Randomized Controlled Trial (CMRPG3H0951/ XPRPG3H0091) 長庚醫院
 17. 2018.08~2019.07 結合循環腫瘤細胞、分析型態學及臨床資訊建立食道癌放化療後病理完全反應預測平台 An integrated detection platform for pathological complete response after chemoradiotherapy in esophageal cancer based on the combined signatures of circulating tumor cells, analytic morphomics, and clinical informatics MOST (NMRPG3H0491)科技部 107-2314-B-182A-162
 18. 2019.08~2020.07 利用整合型正子暨核磁共振掃描評估食道癌病人接受前導性放化療與食道切除術療效的前瞻性研究 Investigating the role of integrated 18FDG-PET/MRI in predicting the treatment outcome of neoadjuvant concurrent chemoradiotherapy followed by esophagectomy for patients with esophageal cancer(NMRPG3J0051)科技部 108-2314-B-182A-021 -
 19. 2019.10~2020.09 食道癌病患經放化療後病理反應相關預測及預後因子分析: 以 CROSS 配方治療食道鱗狀上皮癌: 臨床試驗與現實世界結果比較 Pathological response after chemoradiotherapy in esophageal cancer: predictor and prognosticators: CROSS Regimen for Esophageal squamous cell carcinoma: The Difference Between Clinical Trial and Real World Data (CORPG3J0631/ CORPG3J0611) 長庚醫院
 20. 2020.07~2022.06 結合深度切片、循環腫瘤細胞及臨床資訊評估食道癌病患誘導性放化療後個人

- 化治療之可行性 Accuracy of detecting residual disease after neoadjuvant chemoradiotherapy for esophageal squamous cell carcinoma (CMRPG3K0761/ CMRPG3K0762) 長庚醫院
21. 2020.08~2023.07 食道癌外泌體 RNA 作為反應評估及預後追蹤之生物標誌 Circulating Exosomal miRNAs as Potential Prognostic and Response Predictive Biomarkers for Esophageal Cancer(NMRPG3K6181/ NMRPG3K6182/ NMRPG3K6183)科技部 109-2314-B-182A-125 -MY3
 22. 2021.10~2022.09 臨床整合型多面向探討食道癌新輔助放化療最佳組合及病理評價方式之總計畫 Neoadjuvant chemoradiotherapy for esophageal cancer: a multidimensional analysis (CORPG3L0341) 長庚醫院
 23. 2021.10~2022.09 臨床整合型多面向探討食道癌新輔助放化療最佳組合及病理評價方式之子計畫一：食道癌切除術前不同輔助治療方案的存活分析 Neoadjuvant chemoradiotherapy for esophageal cancer: a multidimensional analysis: Outcomes of commonly used neoadjuvant chemoradiotherapy regimens for esophageal cancer (CORPG3L0311) 長庚醫院
 24. 2022.07~2023.06 整合型達文西機械手臂單孔系統臨床應用之子計畫一：達文西機械手臂單孔系統於前縱膈腔腫瘤切除手術之應用 A Prospective, Single-Center Investigation of the da Vinci SP® Surgical System in Anterior Mediastinal Disease(CIRPG3M0021) 長庚醫院
 25. 2022.07~2023.06 整合型達文西機械手臂單孔系統臨床應用之子計畫二：達文西機械手臂單孔系統於解剖性切除手術之應用 Pilot study of single port robotic surgery for anatomical lung resection(CIRPG3M0031) 長庚醫院

Research Project (Co-Investigator):

1. 2010.11~2013.10 自然胸腔內鏡胸腔手術於胸腔疾病之應用：1. 自然胸腔手術氣管入口之最佳修補模式探索；2. 自然胸腔手術以氣管及食道進行胸腔探查及治療之比較；3. 自然胸腔手術與傳統胸腔鏡手術之術後免疫反應之比較 (CMRPG391911/CMRPG391912/CMRPG391913) 長庚醫院
2. 2012.08~2013.07 經肚臍進行胸腔內視鏡手術：以經皮下及經腹腔兩種術式來評估手術之可行性及安全性(NMRPG3B0171) 國科會 101-2314-B-182A-015

Publication:

(A)Papers:

1. **Chao YK**, Liu YH, Hsieh MJ, et al: Controlling difficult airway by rigid bronchoscope--an old but effective method. *Interact Cardiovasc Thorac Surg* 2005Jun;4(3):175-9. (IF=1.978; Surgery 136/211)
2. **Chao YK**, Liu YH, Ko PJ, et al: Treatment of esophageal perforation in a referral center in Taiwan. *Surg Today* 2005Oct;35:828-32 (SCI ; IF=2.077 ; surgery 87/203)
3. **Chao YK**, Changchien CR, Hsieh PS, et al: Brain metastases from colorectal cancer: A retrospective study of 39 patients. *J Soc Colon Rectal Surgeon (Taiwan)* 2005Dec;16:135-40.
4. **Chao YK**, Hsieh MJ, Liu YH, et al: Extramedullary Hematopoiesis: A Forgotten Cause of Mediastinum Mass. *Thorac Med* 2006Dec;21(6):529-33.
5. **Chao YK**, Ko PJ, Yeow KM, et al: Video-assisted thoracoscopic surgery for catamenial hemoptysis: the rationale of preoperative computed tomography-guided hook-wire localization. *Surg Laparosc Endosc Percutan Tech* 2006Dec;16(6):437-8. (SCI ; IF=1.227 ; Surgery 113/203)
6. **Chao YK**, Liu YH, Hsieh MJ, et al: Incorporated home-made long endotracheal tube: a useful option for treating mucus plugging following silicone stenting. *Respirology* 2007Sep;12:780-2. (SCI ; IF=4.756 ; Respiratory system 11/63)
7. Hsieh MJ, Liu YH, **Chao YK**, et al: Risk factors in surgical management of thoracic empyema in elderly patients. *ANZ J Surg* 2008Jun;78(6):445-8. (SCI ; IF=1.605 ; Surgery 121/203)
8. **Chao YK**, Chan SC, Chang HK, et al: Salvage surgery after failed chemoradiotherapy in squamous cell carcinoma of the esophagus. *Eur J Surg Oncol* 2009Mar;35(3):289-94 (SCI ; IF=3.379 ; Surgery 35/203)
9. **Chao YK**, Chan SC, Liu YH, Chen HW, Wan YL, Chang HK, Fan KH, Liu HP* : Pretreatment T3-4 stage is an adverse prognostic factor in patients with esophageal squamous cell carcinoma who achieve pathological complete response following preoperative chemoradiotherapy. *Ann Surg* 2009Mar;249(3):392-6. (SCI ; IF=13.787 ; Surgery 2/211)
10. Liu YH, **Chao YK**, Wu YC, et al: Bullae ablation in primary spontaneous pneumothorax. *World J Surg* 2009May;33(5):938-42. (SCI ; IF=2.768; Surgery 56/203)
11. Liu YH, Wu YC, Hsieh MJ, **Chao YK**, et al: Extra-long Montgomery T tube in major airway stenosis. *J Laryngol Otol* 2009Jul;123(7):772-7. (SCI; IF=1.261 ; Otorhinolaryngology 33/42)
12. Chuang WY, Yeh CJ, Wu YC, **Chao YK**, et al: Tumor cell expression of podoplanin correlates with nodal metastasis in esophageal squamous cell carcinoma. *Histol Histopathol* 2009Aug;24(8):1021-7 (SCI; IF=1.777; Pathology 47/76)
13. **Chao YK**, Yeh CJ, Chuang WY, et al: Prognostic significance of immunohistochemically detected lymph node micrometastases in pT0N0 esophageal squamous cell carcinoma. *J Surg Oncol* 2009Dec;100(7):559-62 (SCI;IF=3.114;Surgery 42/203)
14. Ko PJ, Liu CY, Wu YC, **Chao YK**, et al: Granulation formation following tracheal stenosis stenting: influence of stent position. *Laryngoscope* 2009Dec;119:2331-6 (SCI; IF=2.343; Otorhinolaryngology 12/42)
15. **Chao YK**, Wu YC, Liu YH, et al: Distant nodal metastases from intrathoracic esophageal squamous cell carcinoma: characteristics of long-term survivors after chemoradiotherapy. *J Surg Oncol* 2010Aug;102(2):158-62 (SCI;IF=3.114;Surgery 42/203)

16. **Chao YK**, Yeh CJ, Chang HK, et al: Impact of circumferential resection margin distance on locoregional recurrence and survival after chemoradiotherapy in esophageal squamous cell carcinoma. *Ann Surg Oncol* 2011**Feb**;18(2):529-34 (SCI; IF=3.681; Surgery 27/203)
17. Yeh CJ, Chuang WY, **Chao YK**, et al: High expression of phosphorylated 4E-binding protein 1 is an adverse prognostic factor in esophageal squamous cell carcinoma. *Virchows Arch* 2011**Feb**;458(2):171-8 (SCI; IF=2.868; Pathology: 24/76)
18. Hu HC, Liu YH, Wu YC, Hsieh MJ, **Chao YK**, et al: Granulation tissue formation following Dumon airway stenting: the influence of stent diameter. *Thorac Cardiovasc Surg* 2011**Apr**;59(3):163-8 (SCI; IF=1.152; surgery 155/203)
19. **Chao YK**[†], Wu YC[†], Yang KJ, et al: Pulmonary perfusion with L-arginine ameliorates post-cardiopulmonary bypass lung injury in a rabbit model. *J Surg Res* 2011**May**;167(2):e77-83 (SCI; IF=1.872;Surgery 104/203)
20. Chen WH, Ko PJ, Liu CY, Wu YC, Hsieh MJ, Chen TP, **Chao YK**, et al: Dumon Y-stent in the Management of Central Airway Disease Involving the Carina. *Thoracic Medicine* 2011**Oct**;26(5):252-60
21. **Chao YK**, Chuang WY, Yeh CJ, et al: Prognostic significance of high podoplanin expression after chemoradiotherapy in esophageal squamous cell carcinoma patients. *J Surg Oncol* 2012**Feb**;105(2):183-8 (SCI; IF=3.114; Surgery 42/203)
22. Chen SW, Tsai FC, Tsai FZ, **Chao YK**, et al: Surgical risk and outcome of repair versus replacement for late tricuspid regurgitation in redo operation. *Ann Thorac Surg* 2012**Mar**;93(3):770-5.(SCI;IF=5.102;Surgery 28/211)
23. **Chao YK**, Chuang WY, Yeh CJ, et al: High phosphorylated 4E-binding protein 1 expression after chemoradiotherapy is a predictor for locoregional recurrence and worse survival in esophageal squamous cell carcinoma patients. *J Surg Oncol* 2012 **Mar**;105(3):288-92 (SCI; IF=3.114; Surgery 42/203)
24. Chen WH, **Chao YK**^{*}, Chang HK, et al: Long-term outcomes following neoadjuvant chemoradiotherapy in patients with clinical T2N0 esophageal squamous cell carcinoma. *Dis Esophagus* 2012**Apr**;25(3):250-5.(SCI; IF=2.323; Gastroenterology & Hepatology 60/84) (corresponding author)
25. Ko PJ, Chu Y, Wu YC, Liu CY, Hsieh MJ, Chen TP, **Chao YK**, et al: Feasibility of endoscopic transoral thoracic surgical lung biopsy and pericardial window creation. *J Surg Res* 2012**Jun**;175(2):207-14 (SCI; IF=1.872;Surgery 104/203)
26. **Chao YK**^{*}, Liu HP, Hsieh MJ, et al: Impact of the number of lymph nodes sampled on outcome in ypT0N0 esophageal squamous cell carcinoma patients. *J Surg Oncol* 2012**Sep**;106(4):436-40 (SCI; IF=3.114; Surgery 42/203) (corresponding author)
27. **Chao YK**, Chang HC, Wu YC, et al: Management of lung metastases from colorectal cancer: video-assisted thoracoscopic surgery versus thoracotomy--a case-matched study. *Thorac Cardiovasc Surg* 2012**Sep**;60(6):398-404 (SCI; IF=1.152; surgery 155/203)
28. **Chao YK**^{*}, Liu HP, Hsieh MJ, et al: Lymph node dissection after chemoradiation in esophageal cancer: a subgroup analysis of patients with and without pathological response. *Ann Surg Oncol* 2012**Oct**;19(11):3500-5 (SCI; IF=3.681; Surgery 27/203)

29. Liu CY, Chu Y, Wu YC, Hsieh MJ, Chen TP, **Chao YK**, et al: Comparison of hemodynamic and inflammatory changes between transoral and transthoracic thoracoscopic surgery. PLoS One 8:e50338, 2013**Jan**;8(1):e50338 (SCI; IF=2.776; Multidisciplinary Sciences 24/69)
30. Chen YJ, Lee LY, **Chao YK**, et al: DSG3 facilitates cancer cell growth and invasion through the DSG3-plakoglobin-TCF/LEF-Myc/cyclin D1/MMP signaling pathway. PLoS One 2013**May**;8(5):e64088 (SCI; IF=2.776; Multidisciplinary Sciences 24/69)
31. Wang CW, Teng YH, Huang CC, Wu YC, **Chao YK**, et al: Intrapulmonary lymph nodes: computed tomography findings with histopathologic correlations. Clin Imaging 2013**May**;37(3):487-92, (SCI; IF=1.136; Radiology, Nuclear Medicine & Medical Imaging 109/129)
32. **Chao YK**[†], Liu KS[†], Wang YC, Huang YL, Liu SJ: Biodegradable cisplatin-eluting Tracheal Stent for malignant airway obstruction: In vivo and in vitro studies. Chest 2013**Jul**;144(1):193-9 (SCI; IF=9.657; Respiratory system 5/63)
33. **Chao YK**, Tseng CK, Wen YW, et al: Using Pretreatment Tumor Depth and Length to Select Esophageal Squamous Cell Carcinoma Patients for Nonoperative Treatment After Neoadjuvant Chemoradiotherapy. Ann Surg Oncol 2013**Sep**;20(9):3000-8 (SCI; IF=3.681; Surgery 27/203)
34. Yang PS, Yeh CS, **Chao YK***. Boerhaave's syndrome secondary to migration of gastrostomy tube. Hong Kong Journal of Emergency Medicine 2013**Nov**;20(6):400-1 (SCI; IF=0.170; EMERGENCY MEDICINE 28/29) (corresponding author)
35. Chen SH, Chan SC, **Chao YK**, Yen TC. Detection of Synchronous Cancers by Fluorodeoxyglucose Positron Emission Tomography/Computed Tomography during Primary Staging Workup for Esophageal Squamous Cell Carcinoma in Taiwan. PLoS One 2013**Nov**; 8: e82812. (SCI; IF=2.776; Multidisciplinary Sciences 24/69)
36. Chiu CH, **Chao YK***, Chang HK, et al: Interval Between Neoadjuvant Chemoradiotherapy and Surgery for Esophageal Squamous Cell Carcinoma: Does Delayed Surgery Impact Outcome? Ann Surg Oncol 2013**Dec**;20(13):4245-51 (SCI; IF=3.681; Surgery 27/203) (corresponding author)
37. Wu YC, Yen-Chu, Yeh CJ, Hsieh MJ, Chen TP, **Chao YK**, Wu CY, Yuan HC, Ko PJ, Liu YH*, Liu HP. Feasibility of transumbilical surgical lung biopsy and pericardial window creation. Surg Innov. 2014**Feb**;21(1):15-21 (SCI; IF=1.472; Surgery 131/203)
38. Huang RW, **Chao YK***, Wen YW, et al: Predictors of pathological complete response to neoadjuvant chemoradiotherapy for esophageal squamous cell carcinoma. World J Surgical Oncol 2014**May**;12:170 (SCI; IF=1.966; Surgery 91/203) (corresponding author)
39. Yin SY, **Chao YK***, Tseng CK, et al: Bronchoscopic finding determined outcome after chemoradiotherapy in esophageal cancer patients with airway invasion. J Surg Oncol 2014**Jun**;109(8):808-11 (SCI; IF=3.114; Surgery 42/203) (corresponding author)
40. Chuang WY, Yeh CJ, **Chao YK**, et al: Concordant podoplanin expression in cancer-associated fibroblasts and tumor cells is an adverse prognostic factor in esophageal squamous cell carcinoma. Int J Clin Exp Pathol 7(8):4847-56, 2014.(SCI; IF=0.205; Pathology 76/76)
41. **Chao YK**, Kawada K, Kumagai Y, Takubo K, Wang HH: On endocytoscopy and posttherapy pathologic staging in esophageal cancers, and on evidence-based methodology. Ann N Y Acad Sci 1325(1):1-7, 2014.(SCI; IF=4.295; Multidisciplinary Science 14/69)
42. Chen WH, Huang YL, **Chao YK***, et al: Prognostic significance of lymphovascular invasion in

- patients with esophageal squamous cell carcinoma treated with neoadjuvant chemoradiotherapy. *Ann Surg Oncol* 2015 **Jan**;22(1):338-43 (SCI; IF=3.681; Surgery 27/203) (corresponding author)
43. **Chao YK**, Wen YW, Liu KS, Wang YC, Wang CW, Liu SJ: Biodegradable drug-eluting pellets provide steady and sustainable cisplatin release in the intrapleural cavity: In vivo and in vitro studies. *Int J Pharm* 2015**Feb**19;484(1-2):38-43 (SCI; IF=4.213; Pharmacology & Pharmacy 44/267)
 44. **Chao YK***, Yeh CJ, Lee MH, Wen YW, Chang HK, Tseng CK, Liu YH: Factors associated with false-negative endoscopic biopsy results after neoadjuvant chemoradiotherapy in patients with esophageal squamous cell carcinoma. *Medicine* 2015**Feb**;94(8):e588 (SCI; IF=1.870; Medicine, General & Internal 69/160) (corresponding author)
 45. **Chao YK**, Liu YH, Hsieh MJ, Wu YC, Chen TP, Lu MS, Lu HI, Liu HP* : Long-Term Outcomes After Thoracoscopic Resection of Stage I and II Thymoma: A Propensity-Matched Study. *Ann Surg Oncol* 2015**Apr**;22(4):1371-6 (SCI; IF=3.681; Surgery 27/203)
 46. Lu HY, Chu Y, Wu YC, Liu CY, Hsieh MJ, **Chao YK**, Wu CY, Yuan HC, Ko PJ, Liu YH*, Liu HP. Hemodynamic and inflammatory responses following transumbilical and transthoracic lung wedge resection in a live canine model. *Int J Surg* 2015 Apr;16(Pt A):116-22 (SCI; IF=3.158; Surgery 40/203)
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- esophageal cancer: a population-based study. *Dis Esophagus* 2021 Aug 10;34(8):doaa116. (SCI; IF=2.822; *Gastroenterology & Hepatology* 74/93)
129. **Chao YK***. Robotic McKeown esophagectomy with recurrent laryngeal nerve lymph node dissection: how I do it. *Dis Esophagus* (2020)33,1–9. (SCI; IF=2.822; *Gastroenterology & Hepatology* 74/93) (corresponding author)
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 132. Chen LW, Goh M, Goh R, **Chao YK**, Huang JJ, Kuo WL, Sung CW, Chuieng-Yi Lu J, Chuang DC, Chang TN. Robotic-Assisted Peripheral Nerve Surgery: A Systematic Review. *J Reconstr Microsurg*. 2021 **Jul**;37(6):503-513. (IF=2.329; *Surgery* 119/213)
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139. Fang HY, Chang KW, **Chao YK***. Ultrasound-Guided Pleural Effusion Drainage: Effect on Oxygenation, Respiratory Mechanics, and Liberation from Mechanical Ventilation in Surgical Intensive Care Unit Patients. *Diagnostics*. 2021 **Oct** 28;11(11):2000. doi: 10.3390/diagnostics11112000. (SCI; IF=3.992; MEDICINE, GENERAL & INTERNAL 60/172) (corresponding author)
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142. Chang CJ[†], Lu CH[†], Gao X, Fang HY, **Chao YK***. Safety and Efficacy of Cone-Beam Computed Tomography-Guided Lung Tumor Localization with a Near-Infrared Marker: A Retrospective Study of 175 Patients. *Life (Basel)*. 2022 **Mar** 28;12(4):494. (SCI; IF=3.253; Biology 39/94) (corresponding author)
143. Gao X, Tsai PC, Chuang KH, Pai CP, Hsu PK, Li SH, Lu HI, van Lanschot JJ, **Chao YK***. Neoadjuvant Carboplatin/Paclitaxel versus 5-Fluorouracil/Cisplatin in Combination with Radiotherapy for Locally Advanced Esophageal Squamous Cell Carcinoma: A Multicenter Comparative Study. *Cancers (Basel)*. 2022 **May** 25;14(11):2610. (SCI; IF= 6.575; Oncology 60/245) (corresponding author)
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146. Chi CL, Gao X, Tai CC, **Chao YK***. Preoperative percutaneous localization of multiple ipsilateral pulmonary nodules: A systematic review. *Formosan Journal of Surgery*. 2022 **Jun**;55(3):81-6. (corresponding author)

147. Yang TY, Huang PC, Liu YH, Tsai CY, Yeh TS, **Chao YK**. Puestow's Procedure Performed During Gastric Conduit Harvesting. *Ann Thorac Surg*. 2022 **Jun**;113(6):e417-e419. doi: 10.1016/j.athoracsur.2021.07.081. Epub 2021 Aug 27. (SCI; IF=5.113; Surgery 28/213)
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151. Cheng SC, **Chao YK***. Editorial Perspective: Robot-Assisted Evaluation of Robotic Surgical Skills. *Ann Surg Oncol*. 2022 **Jul** 29; 6524 – 6525. (SCI; IF= 3.796; Surgery 60/213) (corresponding author)
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154. Gao X, **Chao YK***. Thoracic surgery in Taiwan. *J Thorac Dis*. 2022 **Jul**;14(7):2712-2720. (SCI; IF=3.005; Respiratory system 45/66)
155. CS Ng, BH Ong, **YK Chao**, GM Wright, Sekine Y, Wong I, Hao Z, Zhang G, Chaturvedi H, Thammineedi SR, Law S, Kim HK. Use of Indocyanine Green Fluorescence Imaging in Thoracic and Esophageal Surgery. *Ann Thorac Surg*. 2023 **Apr**;115(4):1068-1076. (SCI; IF=5.113; Surgery 28/213)

156. IYH Wong, JCY Chung, RQ Zhang, X Gao, K.O Lam, L.W. D Kwong, **Chao YK**, Y.K.S Law A Novel Tumor Staging System Incorporating Tumor Regression Grade (TRG) With Lymph Node Status (ypN-Category) Results in Better Prognostication Than ypTNM Stage Groups After Neoadjuvant Therapy for Esophageal Squamous Cell Carcinoma. *Ann Surg* 2022;276:784–791(SCI; IF=13.787; Surgery 2/213)
157. WK Yap, Shih MC, YC Chang, CH Lin, SM Huang, Tsai TY, Chang CF, Hsu CC, Tseng CK, Chen MF, Tsan DL, Liao CT, Hou MM, **Chao YK**, Chiu CH, Hung TM. Adjuvant Chemoradiotherapy Associated with Improved Overall Survival in Resected Esophageal Squamous Cell Carcinoma after Neoadjuvant Chemoradiotherapy in Intensity-Modulated Radiotherapy Era. *Biomedicines* 2022, 10, 2989. <https://doi.org/10.3390/biomedicines10112989>. (SCI; IF=4.757; Pharmacology & pharmacy 87/278)
158. TY Yang, CP Shih, PC Huang, CY Tsai, **YK Chao**. Preoperative Transient Elastography in Patients with Esophageal Cancer. *Diagnostics* 2022, 12, 3194.<https://doi.org/10.3390/> (SCI; IF=3.992; medicine, general & internal 60/172)
159. X Gao, OQY Leow, CH Chiu, MM Hou, JCH Hsieh, **YK Chao***. Clinical Utility of Circulating Tumor Cells for Predicting Major Histopathological Response after Neoadjuvant Chemoradiotherapy in Patients with Esophageal Cancer. *J Pers Med.* 2022 Aug 31;12(9):1440. (SCI; IF=3.508 ; health care sciences & services 60/172)
160. BM Eyck, X Gao, Y Yang, BJ van der Wilk, I Wong, B P.L. Wijnhoven, J Liu, SM. Lagarde, Lam KO , M C. C. M. Hulshof , Z Li , S Law , **YK Chao** , and J. J B. van Lanschot, Dutch Upper Gastrointestinal Cancer Audit (DUCA).Pathological response to neoadjuvant chemoradiotherapy for oesophageal squamous cell carcinoma: multicentre East Asian and Dutch database comparison. *Br J Surg.* 2022 Nov 22;109(12):1312-1318. (SCI; IF=11.782; Surgery 6/213)
161. TY Yang, **YK Chao***. ASO Author Reflections: Safety of Elective Esophagectomy Performed on Weekend for Patients with Esophageal Carcinoma. *Ann Surg Oncol.*2023 March 11. <https://doi.org/10.1245/s10434-023-13331-8>. (SCI; IF= 3.796; Surgery 60/213) (corresponding author)
162. TY Yang, YW Wen, **YK Chao***. Impact of Weekend Effect on Short- and Long-Term Survival of Patients Undergoing Esophagectomy for Cancer: A Population-Based, Inverse Probability of Treatment-Weighted Analysis. *Ann Surg Oncol.*2023 February 24. <https://doi.org/10.1245/s10434-023-13280-2>. (SCI; IF= 3.796; Surgery 60/213) (corresponding author)
163. CF Wu, C Cheng, KH Suen, H Stein, **YK Chao***. A Preclinical Feasibility Study of Single-Port Robotic Subcostal Anatomical Lung Resection and Subxiphoid Thymectomy Using the da Vinci® SP System. *Diagnostics.* 2023, 13, 460. <https://doi.org/10.3390/diagnostics13030460>. (SCI; IF=3.992; medicine, general & internal 60/172)

(B) Book:

1. Yin-Kai Chao. (2020). Robotic Esophagectomy Procedure Guide. Taoyuan, TW: Chang Gung Memorial Hospital.

Invited Speaker:

1. 2007/10: 2007 Annual meeting and scientific congress of Taiwan association of thoracic and cardiovascular surgery, Taipei, Taiwan
2. 2007/11: The 2nd annual meeting of international Chinese society of thoracic surgery, Xiamen, China
3. 2008/5: The 5th Sino-Australia-New Zealand Conference on Surgical oncology: Guangzhou, China
4. 2009/3: 17th Annual Meeting of the Asian Society for Cardiovascular and Thoracic Surgery (ASCVTS) Taipei, Taiwan
5. 2009/6: The 3rd Biennial of international Chinese society of thoracic surgery, Nan-Jing, China
6. 2011/3: The 1st MIE symposium, Taipei, Taiwan
7. 2012/8: The 2nd MIE symposium , Taipei, Taiwan
8. 2013/4: ASCVTS, Kobe , Japan
9. 2013/8: 12th OESO , Paris, France
10. 2013/11: Guangzhou, China
11. 2013/12: Xiamen, China
12. 2014/4: 18th WCBIP/WCBE, Kyoto, Japan
13. 2015/10: Annual meeting of American College of Surgeon, Chicago, USA
14. 2015/10: International Robotic Surgery Live(IRSL), Seoul, Korea
15. 2016/4: Annual meeting of Asian Society of Cardiovascular and thoracic surgery(ASCVTS), Taipei, Taiwan
16. 2016/9: 中澳紐腫瘤外科會議, 中國廣州
17. 2017/3: 上海胸科機器人手術國際論壇, 中國上海
18. 2017/3: Annual meeting of Asian Society of Cardiovascular and thoracic surgery(ASCVTS), Seoul, Korea
19. 2017/5: 東方胸外科論壇, 中國上海
20. 2017/6: 國際胸外科論壇, 中國北京
21. 2017/9: Advances in Thoracic Surgery, Oncology and Pulmonology 2017 (ATSOP), Singapore
22. 2017/11: 3rd Asian Congress of *Robotic* and Endoscopic Surgery (ACRES), Taipei, Taiwan
23. 2017/11: MINIMALINVASIVE SURGERYFOR UPPER GI TRACT, 台灣亞洲微創手術中心 (IRCAD)
24. 2018/3: Master Class in Uniportal VATS Advanced Course, 台灣亞洲微創手術中心(IRCAD)
25. 2018/3:上海胸科醫院食管外科國際高峰論壇, 中國上海
26. 2018/4: Asia Thoracic Cancer Care Summit (ATCCS), Hong Kong
27. 2018/4: 四川省腫瘤論壇, 中國成都
28. 2018/6: 1st Global Image Guided Therapy Summit, Macao
29. 2018/9: 河北省國際癌症高峰論壇, 中國河北
30. 2018/9: The 1st Asia Esophageal Cancer Forum, Taichung, Taiwan
31. 2018/9: 2018 Taiwan Digestive Disease Week(TDDW), Taipei, Taiwan
32. 2018/10: ASIAN SUMMIT ON ROBOTICS SURGERY (ASRS), Singapore

33. 2018/10: Annual Congress of The Association of Thoracic and Cardiovascular Surgeons of Asia(ATCSA), Yogyakarta, Indonesia
34. 2018/10: Minimally Invasive Esophago-Gastric Surgery, Strasbourg, France (IRCAD)
35. 2018/11: 第八屆廣州胸部腫瘤論壇, 中國廣州
36. 2018/11: 第四屆亞洲機器人及腔鏡大會暨第八屆瑞金普外論壇, 中國上海
37. 2018/11: Advanced Course Minimal Invasive Surgery For Upper GI Tract, 台灣亞洲微創手術中心 (IRCAD)
38. 2018/11: 23rd Congress of the Asian Pacific Society of Respiriology (APSR), Taipei, Taiwan
39. 2018/12: 2018 年林口長庚紀念醫院胃癌國際研討會, 台灣桃園
40. 2018/12: 北京清華長庚醫院學術交流, 中國北京
41. 2019/1: Hong Kong Surgical Forum (HKSF), Hong Kong
42. 2019/1: 胸部腫瘤南北論壇暨天津市第一屆食管年會, 中國天津
43. 2019/3: INNOVATIONS IN THORACIC SURGERY 2019 (IITS), Seoul, Korea
44. 2019/3: 上海市胸科醫院食管外科學術週, 中國上海
45. 2019/5: American Association for Thoracic Surgery 99th Annual Meeting(AATS), Toronto, Canada
46. 2019/5: 第十屆中山胸部微創論壇, 中國上海
47. 2019/5: 7th Asian single port VATS symposium (ASPVS), Nagoya, Japan
48. 2019/5: 第四屆東南胸外科論壇, 中國福州
49. 2019/6: 73rd Annual Meeting of the Japan Esophageal Society (JES), Fukuoka, Japan
50. 2019/6: 海峽兩岸醫藥衛生交流協會胸外科專業委會 2019 年會暨全國胸外科結構化標準化電子病歷培訓班, 中國廈門

Presentation:

1. **Yin-Kai Chao**, Yun-Hen Liu, Ming-Ju Hsieh, Yi-Cheng Wu. Surgical management of large lung abscess: Eight years experiences. *General scientific Meeting, Surgical Association, ROC. 2003*
2. **Yin-Kai Chao**, Yun-Hen Liu, Po-Jen Ko , Hui-Ping Liu. Expandable metallic stents in the management of airway lesion of esophageal cancer. *General scientific Meeting, Surgical Association, ROC. 2004*
3. **Yin-Kai Chao**, Yun-Hen Liu, Po-Jen Ko , Hui-Ping Liu Treatment of esophageal perforation in a referral center in Taiwan. *General scientific Meeting, Surgical Association, ROC. 2004*
4. **Yin-Kai Chao**, Hui-Ping Liu, Yun-Hen Liu, Ming-Ju Hsieh, Minimal access for mediastinal parathyroid adenoma: Two case report and review of literature. *General scientific Meeting, Surgical Association, ROC. 2005*
5. **Yin-Kai Chao** ,Po-Jen Ko,Kee-Min Yeow, Yun-Hen Liu. Video-assisted thoracoscopic surgery for catamenial hemoptysis: the rationale of preoperative computed tomography-guided hook-wire localization *General scientific Meeting, Surgical Association, ROC. 2006*
6. **Yin-Kai Chao**, Yun-Hen Liu, Ming-Ju Hsieh, Yi-Cheng Wu. Salvage esophagectomy for esophageal cancer after definite CCRT. *General scientific Meeting, Surgical Association, ROC. 2006*
7. 11th World congress of International society of disease of esophagus , Hungary, Budapest
8. Annual meeting of American association for thoracic surgery(AATS) 2010 Canada, Toronto
9. 12th World congress of International society of disease of esophagus 2010, Japen, Kagoshima
10. 19th European conference on general thoracic surgery 2011/6 France , Marseille

Honor/Award:

1. 95 年度台灣外科醫學會最佳手術錄影帶獎(2006)
2. Taiwan Association of Thoracic and Cardiovascular Surgery, 5th young investigator award (2008) 台灣胸腔及心臟血管外科學會新秀論文獎
3. 17th Annual Meeting of the Asian Society for Cardiovascular and Thoracic Surgery (ASCVTS). Young Investigator's Award (2009) 亞洲胸腔及心臟血管外科學會新秀論文獎
4. Taiwan Association of Thoracic and Cardiovascular Surgery, 6th young investigator award (2009) 台灣胸腔及心臟血管外科學會新秀論文獎
5. Outstanding Research Award; Division of Surgery; Chang Gung Memorial Hospital 長庚醫院外科部年度傑出研究獎(2010)
6. Taiwan Association of Thoracic and Cardiovascular Surgery, 7th president award (2010) 台灣胸腔及心臟血管外科學會理事長論文獎
7. 國際外科學會中華民國總會優秀論文競賽特優獎(2011)
8. Taiwan Association of Thoracic and Cardiovascular Surgery, 9th president award (2012) 台灣胸腔及心臟血管外科學會理事長論文獎
9. Taiwan Association of Thoracic and Cardiovascular Surgery, 10th president award (2013) 台灣胸腔及心臟血管外科學會理事長論文獎
10. 台灣胸腔暨重症加護醫學會 Taiwan society of pulmonary and critical care medicine, Young Investigator award 優秀論文獎(2013)
11. Taiwan Association of Thoracic and Cardiovascular Surgery, 11th president award (2014) 台灣胸腔及心臟血管外科學會理事長論文獎
12. American College of Surgeon International Scholarship(2015)美國外科醫學會國際研究學者獎勵
13. Taiwan Association of Thoracic and Cardiovascular Surgery, 12th president award (2015) 台灣胸腔及心臟血管外科學會理事長論文獎
14. Taiwan Association of Thoracic and Cardiovascular Surgery, 13th president award (2016) 台灣胸腔及心臟血管外科學會理事長論文獎
15. European Society for Medical Oncology Asia 2016 Congress Travel Grant for Young Oncologist 歐洲腫瘤醫學會年輕學者研究獎勵
16. Taiwan Association of Thoracic and Cardiovascular Surgery, 14th president award (2017) 台灣胸腔及心臟血管外科學會理事長論文獎
17. European Society of Thoracic Surgeons 26th Medtronic Prize (2018) 歐洲胸腔外科年會最佳口頭報告獎
18. Taiwan Association of Thoracic and Cardiovascular Surgery, 15th president award (2018) 台灣胸腔及心臟血管外科學會理事長論文獎
19. 2018 長庚醫學研究臨床組青年獎
20. Taiwan Society of Thoracic Surgeons, 1st president award (2019) 台灣胸腔外科醫學會理事長論文獎