

具之應用開發上，與中原大學合作，進行磁共振攝影之三度空間立體成像研究，藉由日益進步之電腦科技與臨床診斷學之結合，將二度空間之影像轉換為三度空間之立體影像，以期使診斷更為精確，並開發手術模擬系統。對於基礎研究方面，則已著手研究各種關節炎中金屬蛋白酵素表現量之差異性，並已有初步結果，此外也將探討各種因子影響軟骨細胞生長與凋亡之可能機轉為何，藉由此基礎醫學研究來加強訓練醫學生與住院醫師之學術研究，以使醫學生乃至住院醫師之訓練更為進步完整。

展望

於臨床治療上，本著視病猶親之人本精神，服務病患並積極引進各項先進療法，諸如以經皮下自動腰椎間盤抽取術、微創脊椎手術成功治療腰椎間盤突出症之病患，為國內以此法治療病人最多且最具領導地位之醫院。對於傳統醫學之研究，本科亦本著科學精神，從事中西醫有關骨科疾病之各式療法結果之研究與比對，如接受衛生署之委託，研究中、西醫治療骨折之差異性，以求中西合璧並發揚中國傳統醫學之精華。目前最熱門之運動醫學方面，亦早已著手進行治療及各項研究。近來，更引進最先進之運動分析儀、肌力測試儀及步態分析儀，除提供臨床治療外，並結合本校有關單位成立運動醫學研究中心，從事基礎及臨床運動醫學之研究，以期提供正確之運動方法與知識，矯正不良之姿勢，防範運動傷害於未然。此外，本科成立之骨科基礎研究室，將著重於關節炎及骨質疏鬆症致病機轉之探討，其他關節基礎研究包括：關節炎之蛋白質體及基因研究，此外，電腦圖學與骨科學影像結合，手術模擬、力回饋等之跨系院校之合作研究探討。總之，基礎醫學研究與臨床醫學並重，同時發展。

發展方向是基本的骨科學的教學、研究及服務病人三方面並重，進而使醫學生及獻身骨科學的醫師能有深入的醫學倫理教育、有愛心、耐心、誠心的奉獻精神於臨床骨科學。

功能分科：1.一般骨科 2.運動醫學科 3.脊椎外科 4.小兒骨科 5.手外科。積極朝向各次專科發展，其中一般骨科是傳統的骨科精華，包括創傷骨科、骨腫瘤、退化性及風濕性關節病、人工關節以及骨感染等學問，強化手外科、運動醫學科、小兒骨科等。

積極成立骨科基礎研究室，以結合臨床與基礎骨科學研究，如骨生物力學及骨生物材料學。本科並積極與本校其他單位合作進行臨床及基礎之學術研究，或執行行政院國家科學委員會等單位之研究計畫。接受本院合作醫院委託，代招及代訓該院骨科住院醫師。

(謝銘勳 主任/教授)

泌尿學科

簡史及概況

醫學系泌尿學科成立於1997年，由當時附設醫院泌尿科主任江漢聲醫師兼任學科主任，統整兩附屬醫院（附設醫院和萬芳醫院）的泌尿科，負責泌尿科學的授課和臨床教學。在此之前，泌尿科學的教學是由外科學科統籌辦理，泌尿學科成立之後，泌尿科學的教學目標驅於明確，學生臨床實習的架構也更臻完善。

2002年8月，江漢聲醫師借調至輔仁大學擔任醫學院院長，泌尿學科主任由萬芳醫院泌尿科主任李良明醫師暫代。2003年9月15日，邱文祥醫師上任學科主任。2004年8月，邱醫師高昇擔任台北市立聯合醫院忠孝院區院長（其後並於2007年2月獲現任台北市郝龍斌市長拔擢出任台北市衛生局長），學科主任一職由李良明醫師擔任迄今。2008年7月，公辦民營，由臺北醫學大學負責建造、經營的署立雙和醫院正式營運啟動，自此泌尿學科的教學任務即由三個附屬醫院的泌尿科來共同分擔。

教學目標

醫學系泌尿學科負責本校泌尿科學及相關領域（泌尿系統和男性生殖器官）的授課和臨床實習，包括：醫學系五年級泌尿科學的教學，包含在校教室內的授課和醫院實習核心課程的教學；

醫學系五、六年級泌尿科臨床實習的教學（clerkship）；醫學系七年級泌尿科臨床實習的教學（internship）；醫學系四年級臨床診斷學中有關生殖泌尿道檢查的教學；牙醫學系四年級臨床診斷學中有關生殖泌尿道檢查的教學。泌尿科學的教學目標在使學生學習到泌尿生殖系統疾病的症狀、診斷、治療和衛生教育，不論是知識面、實作面、甚至於研究面，都能妥善運用於將來的臨床實務，為病人解決問題，為社會大眾謀福利。

教學特色

泌尿學科的教學大抵遵照醫學系的政策和指示，並且配合T-MAC評鑑的建議事項，呈現的特色如下：充分利用本校臨床技能中心，積極擴充泌尿生殖系統相關的教學模具（如男女性的導尿管、攝護腺的肛門指診模具等），讓學生在進入臨床前先行有實作的經驗，熟習操作的步驟。實施醫學教育改革，落實臨床教學的理想，與腎臟學課程作泌尿器官系統的整合教學，濃縮在校大堂課的授課，配合醫院實習核心課程的講授，目的在使學生早日進入接觸病人，作實際案例的臨床教學。

編寫核心課程、學習護照，提供五、六、七年級的實習醫學生於泌尿科臨床實習中做為參考。

實施迷你臨床評量（Mini-Clinical evaluation exercise, Mini-CEX）、直接觀察操作技能評量（Directly Observed Procedure Skills, DOPS），作為教學評量的工具，落實雙向回饋的機制，改善教學的品質。提供客觀結構式臨床評量（OSCE）的試題，

驗收臨床實習的成效。

師資

泌尿學科目前有四位專任部定助理教授(如下表),於泌尿科學領域中各有專長,其中三位分別擔任三個附屬醫院的泌尿科主任,主導實習醫學生於各個附屬醫院的臨床教學工作。

職稱	姓名	最高學歷	專長(含教學及研究)
助理教授	李良明		尿路結石、泌尿腫瘤、男性學、泌尿道外傷
助理教授	吳建志	臺北醫學大學醫研所博士	男性不孕、性功能障礙
助理教授	葉劭德	臺北醫學大學醫研所博士	泌尿腫瘤、攝護腺雷射手術治療、生殖醫學
助理教授	陳冠州	臺北醫學大學醫研所博士	泌尿腫瘤、尿路結石、尿失禁

除了四位專任老師之外,也延攬多位教學醫院的醫師為兼任老師,包括輔仁大學醫療副校長江漢聲教授、台北市衛生局局長邱文祥教授、新光醫院黃一勝教授、台北榮民總醫院林登龍教授、長庚醫院朱聖賢教授、國泰醫院林志明副院長、謝德生主任、羅華安醫師、慈濟台北分院楊緒棣主任、台南奇美醫院沈坤宏主任、馬偕醫院張奐光主任、萬芳醫院林克勳醫師和溫玉清醫師。堅強的師資陣容,包羅萬象的專長領域,讓我們的實習醫學生輪派至各個教學醫院臨床實習時,都能獲得完整周全的泌尿科臨床教學。

研究特色

醫學系泌尿學科目前四位專任老師在學術研究上都各有專精,其領域包含泌尿道腫瘤、生殖泌尿系統外傷、以及男性生殖醫學。尤以男性生殖醫學的相關研究,如睪丸中精子生成的基因調控、Y 基因突變對於精子生成的影響、先天雙側無輸精管症與囊性纖維症基因突變的關連性等,都有傑出的成果,並且發表於國際性著名的期刊,可以說是泌尿科的研究特色。

展望

督促專任老師以及三附屬醫院主治醫師參加師資培育課程和專業繼續教育研習會,除了自身專業的增加,也提昇本身的教學技能。增加專業研究的廣度和深度,發展泌尿學科學術領域。(李良明 主任/助理教授)

Department of Urology

History and Overview

The Department of Urology, School of Medicine founded since 1997, integrating the two clinical urological departments in the two affiliated hospitals (Taipei Medical University Hospital and Taipei Municipal Wan-Fan Hospital), was

responsible for the Urological curriculum including lecture in the school and clinical practice in the hospitals. The first term of the director was Professor Han-Sun Chiang, who was temporarily transferred to serve as the dean of the School of Medicine, and is now the vice president of Fu Jen Catholic University. The present director, Dr. Liang-Ming Lee is also the vice superintendent of Wan-Fan Hospital. In July, 2008, Shuan Ho Hospital became the third affiliated hospital of TMU, and the clinical urological department was included to be a member of the family of the Department of Urology.

Goal of Education

The Department of Urology is responsible for the lecture teaching and clinical practice in urology and related fields (urinary system and male reproductive organs), including: Urological curriculum, including classroom instruction in school and core curriculum during clerkship in the hospital for the medical

students in Grade V; Clerkship for the medical students in Grade V and VI; Internship for the medical students in Grade VII; Lecture teaching of clinical diagnosis related to genitourinary tract examination for the medical students in Grade V; Lecture teaching of clinical diagnosis related to genitourinary tract examination for the dental students in Grade IV.

Distinctive Features of Education

In accordance with the policies and guidelines from the School of Medicine, and in matching up the recommendation of Taiwan Medical Accreditation Council (T-MAC), the urological curriculum teaching shows the features as follows:

Take full advantage of the Clinical Skill Center, and actively expand the genitourinary system-related teaching models (such as male/female urinary catheterization model, digital rectal examination model, etc.), so that the students are able to be familiar with the clinical procedures before entering the clinical implementation. Carry out the reformation of medical education, and implement the perfection of clinical education, the curricula of nephrology and urology are merged to be an integrated curriculum, condensing the lecture hour in the school, and operating in coordination with core curriculum taught in the hospital. In order that the medical students are able to contact the patients as soon as possible, and accept clinical education with actual cases.

Compile the core curriculum and passport, providing as a reference for the medical student in Grade V, VI, and VII in their urological clinical practice. Undergo Mini-Clinical evaluation exercise (Mini-CEX) and Directly Observed Procedure Skills (DOPS) as a teaching tool for assessment, implementing the two-way feedback mechanism, and improving the quality of teaching. Provide objective structured clinical assessment (OSCE) as a tool to check the efficiency of clinical practice.

Faculty

There are currently four full-time academic teachers in the Department of Urology, Dr. Liang-Ming Lee, Chien-Chih Wu, Kuang-Chou Chen, and Sau-Der Yeh, directing the clinical practice for the medical students in the three affiliated hospitals. In addition, a number of urological physicians practiced in the teaching hospitals mainly located in Taipei City are recruited as part-time teachers. The strong lineups of the faculty, with all-encompassing areas of expertise, insure that our medical students are able to obtain comprehensive urological clinical education when they are in turns to be assigned to the various teaching hospitals.

Distinctive Features of Research

The four full-time academic teachers in the Department of Urology have their own research specialties respectively in the fields of urinary tract cancer, genitourinary system trauma, and male reproductive medicine. The research, especially in male reproductive system, such as genetic regulation in spermatogenesis, impact of spermatogenesis by Y gene mutation, and the correlation of congenital bilateral absence of the vas deferens and cystic fibrosis gene mutations, have excellent results, and published in prestigious international journals.

Prospect

To urge the full-time teachers and the attending physicians in the three affiliated hospitals to participate in teacher training courses and professional continuing education workshops, in addition to the increase in the profession, but also to upgrade their teaching skills to increase the breadth and depth of professional research, for the development of urinary academic disciplines.

(Liang-Ming Lee, Director/Assistant Professor)

皮膚學科

簡史與概況