

Xuan LI

Postdoc Research Fellow

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EDUCATION

Doctor Degree of Medicine (Eight-year Program, PhD Equivalent) Peking University Health Science Center | 2003.9-2011.7, Beijing

Dissertation: Multicenter Retrospective Study of Malleolar Fractures Treated by Operations
Mentor: Dr. Baoguo Jiang, Chief Scientist of China National 973 Project

CLINICAL EXPERIENCE

Cardiac Surgeon/Certificated Attending Doctor Fuwai Hospital (National Center for Cardiovascular Diseases) | 2011.8- 2017.5, Beijing

Participated in over 1600 operations, with overall mortality below 1%, covering CABG, valvular diseases incl. MVP, AVR, AVP and TVP, CHD incl. VSD repair, ASD repair, PDA repair, arterial switch, double switch, TOF repair, AVSD repair, DORV repair, single ventricular repair (Gleen, Fontan), B-T shunt, pulmonary artery banding, vascular surgical procedures incl. Bentall's and Wheat's procedure, heart transplantation, etc.

Medical Intern The People's Hospital of Peking University | 2007.1-2011.7, Beijing

Comprehensively trained in clinical departments of surgery, internal medicine, gynecology and pediatrics.

RESEARCH BACKGROUND

COLLARORATIVE PROJECTS

Regulation of Metabolism to Reduce the Ischemia/Reperfusion Insults in Hearts, at University of Mississippi Medical Center | 2017-present, Jackson

The Mechanism of Cardio Protection of Carvedilol and Telmisartan during Ischemia, at University of Mississippi Medical Center | 2017-present, Jackson Morphological Shaping of

Aortic Valve Using Preoperative 3D-Printing, at National Center for Cardiovascular Diseases | 2015-2016, Beijing

Treatment of Complicated Periarticular Fractures (included in China National Eleventh Five-year Plan) , at The People's Hospital of Peking University | 2010-2011, Beijing

Mechanism of Nerve Regeneration after Injuries and Repairs of Peripheral Nerves and Remodeling of Central Nervous System, at The People's Hospital of Peking University | 2008-2010, Beijing

Relationship between LMNA Gene Mutation and Charcot-Marie-Tooth Disease, at Peking University Health Science Center | 2006, Beijing

PEER-REVIEWED PUBLICATIONS

Activation of AMPK Inhibits Inflammatory Response during Hypoxia and Reoxygenation through Modulating Jnk-mediated Nf-kappaB Pathway, Chen X, Li X, Zhang W, He J, Xu B, Lei B, Wang Z, Cates C, Rousselle T, Li J. *Metabolism: Clinical and Experimental*. 2018

Transapical Transcatheter Aortic Valve Implantation Using the J-Valve System: A 1-year Follow-up Study. Luo X, Wang X, Li X, Wang X, Xu F, Liu M, Yu B, Li F, Tong M, Wang W. *J Thorac Cardiovasc Surg*. 2017 Jul;154(1):46-55.

A Retrospective Study of Posterior Malleolus Fractures, Hai-lin Xu, Xuan Li, Dian-ying Zhang, et al. *International Orthopaedics (SICOT)*. 2012 36:1929–1936

Modified Sakakibara Classification System for Ruptured Sinus of Valsalva Aneurysm, Xin-jin L, Xuan L, Bo P, et al. *J Thorac Cardiovasc Surg*. 2013 Oct;146(4):874-8. doi: 10.1016/j.jtcvs.2012.12.059. Epub 2013 Jan 11.

Multicenter Follow-up Study of Ankle Fracture Surgery, XU Hai-lin, LIU Li-min, LI Xuan, et al. *Chin Med J* 2012;125(4):574-578

Surgical Treatment for Hypertrophic Obstructive Cardiomyopathy Associated with Mitral Stenosis, LI Xuan, XU Fei, YU Bing, GUO Yan. *Journal of Cardiovascular & Pulmonary Diseases*, 2017; 36(4):33-6 (in Chinese)

Surgical Treatment for Failed Interventional Cases in Congenital Heart Disease, Xuan L, Wei G, Dianyuan L, et al. *Chinese Journal of Thoracic and Cardiovascular Surgery*, 2015; 31(7): 391-3. (in Chinese)

Analysis of Re-operation Results after Total Correction of Tetralogy of Fallot, Xuan L, Rui J, Jun Y, et al. *Journal of Cardiovascular & Pulmonary Diseases*, March 2014; 33(2): 172-7 (in Chinese)

Infant-Type Anomalous Origin of Left Coronary Artery from Pulmonary Artery: Analysis of Diagnosis and Surgical Treatment. Chin Heart J. 2015;27(6): 669-672.(in Chinese)

Amplification Effects in Nerve Regeneration after Different Segment Injury: Experiment with Rabbit Median Nerve, Natl Med J China, 2009 June;89(23):1645-1649.(in Chinese)

RESEARCH SKILL SET

Mice heart isolation: Cardiomyocyte isolation; Working heart; Glycolysis and glucose uptake measurement; Langendorff; etc.

Surgery: Left anterior descending artery ligation; Transverse aortic constriction (TAC); etc.

Other: TTC stain, ATP level and Reagent oxidative species measurement; Western blot; Immunoprecipitation; etc.

CONFERENCE/SEMINAR PRESENTATIONS

Talk: Case Report of Severe Lower Extremities Injuries Attacked by Giant Panda and Experience of Treatment, at Residency Forum of Peking University People's Hospital | 2010, Beijing

Talk: Treatment of Distal Femoral Fractures with Open Reduction and Internal Fixation: A Multicentre Retro-Spective Investigation, at 7th BOA Annual Meeting and Beijing International Orthopedic Forum | 2010, Beijing

Talk: Death Cases of Severe Cyanotic Congenital Heart Disease: Lessons Learned, at Forum of Complicated Case Discussion in Surgical Department | 2013, Beijing

Talk: Atrioventricular Valve Complications after Glenn Shunt for Single Ventricle. Seminar and Training Surgical Treatment of Complex Congenital Heart Disease Course | 2014, Beijing

Poster: Could Regulate Heart's Metabolic Pattern Improve the Prognosis of Ischemic Heart Failure? , at American Heart Association's Scientific Sessions - China Night | 2017, Anaheim

MENTORING

Continuous mentorship to graduate students, including aspects of general surgical operations, principles of diagnosis and treatment of common cardiovascular diseases, composition of inpatient medical records, and so on, at Fuwai Hospital | 2012-2016, Beijing

SERVICE AND OUTREACH

Active participant in gratuitous community clinics; Served as the health practitioner for athlete team in local sport games| 2011, 2015, Beijing

Voluntary teacher at poverty-stricken areas of Sichuan Province | 2005, Sichuan

Reset his dislocation of elbow for a 2-year-old on the train

AWARDS AND HONOR

Award of Excellent-Performance Clinical Doctor in Fuwai Hospital | 2014, Beijing

Outstanding Contribution Award to Primary Health Practice | 2009, Beijing

The First Place in the Oratorical Contest of PKUHSC, at The People's Hospital of Peking University | 2008, Beijing

Excellent Presentation on Regional Anatomy PBL, at Peking University | 2006, Beijing

Award of Excellent Academic Performance, at Peking University | 2003-2004, Beijing

Hong Kong City University Scholarship, at Peking University | 2004, Beijing