

Weiyun Liang

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EDUCATION

Guangdong Medical University	09/2006 - 06/2011
Medicine MD	
Peking Union Medical College Hospital	03/2019 - 09/2019
Took the refresher course in the Anesthesiology Department	
Case Western Reserve University	08/2024 - 08/2025
Biostatistics Master	

WORKING EXPERIENCE

Nanhai Obstetrics and Gynecology Children's Hospital Affiliated to Guangzhou University of

Chinese Medicine(Triple-A)	<i>Anesthesiologist(Associate Professor)</i>	07/2011 - 08/2024
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Peking Union Medical College Hospital	03/2019 - 09/2019
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- Responsible for clinical anesthesia, including intra-spinal anesthesia(epidural anesthesia&combined spinal-epidural anesthesia), general anesthesia, nerve block, emergency rescue, and critical disease management.
- Performed approximately 40.000surgeries without any medical incidents.
- Conducted clinical scientific research projects as the project leader including:
 - Effect of Simulated Closed-Loop Feedback Epidural Analgesia (CIPCEA) with a Compound Single High-Dose Local Anesthetic on the Outcome of Labor Pain Relief (2024)*
 - Comparing the Effectiveness and Safety of Esketamine and Remifentanil in Emergency Cesarean Section under General Anesthesia for Fetal Distress (2023)*
 - The Effectiveness of Esketamine Combined with Epidural Alkalized Lidocaine in the Cases of Epidural Labor Analgesia Converted to Emergency Cesarean Section (06/2022-present)*
 - The Effectiveness of Esketamine in the Cases of Epidural Labor Analgesia Converted to Emergency Cesarean Section (09/2022-present)*
- Thesis:

PROFESSIONAL SKILLS

- Proficient in the processes and procedures for immediate obstetric cesarean sections (e.g., umbilical cord prolapse) and emergency cesarean sections (e.g., fetal distress, placental abruption, placenta previa with hemorrhage). Capable of completing combined spinal-epidural anesthesia (or epidural anesthesia, or single-shot spinal anesthesia) within 2 minutes, and safely performing general anesthesia with rapid sequence induction and intubation for full-stomach obstetric patients within 1 minute. Seamlessly coordinated from notification of surgery to fetal delivery and neonatal resuscitation. Skilled in transitioning from labor analgesia to emergency surgery with precision, responding to critical situations efficiently, ensuring rapid onset and effective muscle relaxation while guaranteeing the safety of both mother and baby. Familiar with neonatal resuscitation procedures.
- Experienced in managing massive obstetric hemorrhages (≥ 5000 ml) multiple times, proficient in comprehensive rescue protocols, and familiar with the physiological and pathological changes in patients, contributing to the successful saving of maternal and fetal lives.
- Successfully handled various obstetric complications multiple times, including amniotic fluid embolism, HELLP syndrome, severe pulmonary hypertension (>96 mmHg) with coma, massive obstetric hemorrhage, pulmonary embolism with coma, severe obesity in pregnant women (125 kg), eclampsia with seizures and coma, emergency general anesthesia cesarean delivery for full-stomach pregnant patients, cardiac disease with NYHA class III heart failure in pregnant women, sudden cardiac arrest requiring advanced cardiopulmonary resuscitation, severe arrhythmias, asthma, anaphylactic shock, and gastrointestinal dysfunction with shock and coma in children. All cases were successfully anesthetized and completed with favorable outcomes.
- Skilled in pediatric and neonatal anesthesia, frequently involved in and successfully completing anesthesia for low-birth-weight neonates.
- Familiar with anesthesia for various types of surgeries and experienced in handling complex comorbidities, including elderly patients with coronary artery disease, pulmonary bullae, grade III hypertension, cerebral infarction, super-aged patients (e.g., 102 years old), and deep vein thrombosis. Provided excellent surgical support while maintaining stable intraoperative vital signs.
- Completed advanced training in anesthesiology at Peking Union Medical College Hospital, the top

hospital in China, where I gained expertise in managing critically ill patients and responding to unexpected complications, including high-risk elderly patients with coronary artery disease, unanticipated emergency difficult airways, thoracic anesthesia complications, resuscitation for anaphylactic shock, awake intubation for patients with ankylosing spondylitis, and cesarean deliveries for pregnant women with severe pulmonary hypertension.

SKILLS AND INTERESTS

- ***Certificates:***

Certificate of Associate Professor(2023)

Certificate of Attending Physician

The Qualification Certificate of Chinese Licensed Pharmacist

The Qualification Certificate of Chinese Primary Pharmacist

- ***Interests:*** symphonies , violin , Chinese Gongbi Painting