A Deep Learning Model for Blood Volume Estimation From Multi-modal Ultrasound

NCT06957587

Status	RECRUITING
Sponsor	Shanghai 6th People's Hospital
Enrollment	800 participants

Key Eligibility Criteria

Inclusion (4)

- Agree to join this study and sign the informed consent form;
- Age between 18 and 75 years old (inclusive);
- BMI (body mass index) is between 18 and 30 kg/m2;
- American Society of Anesthesiologists (ASA) grades I-II

Exclusion (5)

- Preoperative hemoglobin (Hb) \<10g/dl
- Cardiac dysfunction (NYHA class III-IV), respiratory dysfunction (ATS class 2-4), history of liver and kidney dysfunction (such as transaminase / albumin / bilirubin abnormalities, hepatitis history, serum creatinine / urea nitrogen rise, etc.), nervous system abnormalities (those who cannot cooperate due to stroke or its sequelae, Alzheimer, etc.);
- The ultrasonic display of inferior vena cava, internal jugular vein, subclavian vein or common carotid artery is extremely poor, venous thrombosis or anatomical abnormalities;
- Multiple injury with chest, abdomen or brain;
- Pregnant woman

Locations (2 total)

Shanghai Jiao Tong University Affiliated Sixth People's Hospital, Shanghai, Shanghai Municipality, China
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