

Investigation of Protein Heterogeneity in Extracellular Vesicles Derived From Different Human Blood Circulatory Regions

NCT07439965

Status	RECRUITING
Sponsor	The First Hospital of Jilin University
Enrollment	120 participants

Key Eligibility Criteria

Inclusion (1)

- 1. Aged between 18 and 60 years, regardless of gender; 2. Diagnosed with intracranial aneurysm confirmed by MRA, CTA, or DSA; 3. Patients with aneurysmal subarachnoid hemorrhage must have CT imaging evidence of hemorrhage, and blood collection must occur within 3 days of symptom onset; 4. Scheduled to undergo neurointerventional surgery for intracranial aneurysm under general anesthesia, with the procedure starting between 8:00 AM and 12:00 PM; 5. Willing to comply with the study protocol and data collection procedures; 6. Able to understand and sign the informed consent form.

Exclusion (1)

- 1. Patients with a pre-onset (in hemorrhagic cases) or preoperative (in non-hemorrhagic cases) Modified Rankin Scale (MRS) score ≥ 2 ; 2. Presence of other neurological disorders such as Parkinson's disease, Alzheimer's disease, cerebral infarction, brain tumors, epilepsy, etc.; 3. Presence of other systemic diseases such as diabetes, coronary artery disease, cancer, infections, hematological diseases, or severe metabolic disorders that may significantly affect the evaluation of blood EVs; 4. History of severe hepatic or renal dysfunction (ALT > 3 times the upper limit of normal; creatinine $> 225 \mu\text{mol/L}$); 5. Patients who cannot tolerate anesthesia, anticoagulant therapy, or who have coagulation disorders; 6. History of severe allergic reactions to contrast agents; 7. Pregnant women; 8. Patients participating in other clinical trials who have not yet completed follow-up.

Locations (1 total)

First Hospital of Jilin University, Changchun, Jilin, China