Supplement 3. Screening pilot-test form

**Level 1 screening**

1. Does the study include patients with ischemic and hemorrhagic cerebrovascular diseases?
   - YES____ NO____ UNCLEAR____

2. Does the study compare TCA with TFA for cerebrovascular intervention?
   - YES____ NO____ UNCLEAR____

3. Is this an RCT, quasi-RCT, prospective, or retrospective case-control study?
   - YES____ NO____ UNCLEAR____

If you answer NO to any of these questions, the citation will be excluded. All other citations will be included in L2 screening.

**Level 2 screening**

1. Does the study include adults (≥18 years old) undergoing cerebrovascular intervention for ischemic and hemorrhagic cerebrovascular diseases?
   - YES____ NO____ UNCLEAR____

2. Is this an RCT, quasi-RCT, prospective, or retrospective case-control study comparing TCA with TFA with more than 30 participants of each arm?
   - YES____ NO____ UNCLEAR____

3. Does the study report at least one of the following outcomes:
   a. The rates of composite endpoints within 30 days after surgery.
   b. The rates of composite endpoints within 1 year after surgery.
c. Procedural time.

d. Length of hospital stay.

e. Total radiation dose.

f. The rates of death, stroke, MI, cranial nerve injury (CNI), transient ischemic attack (TIA) and other local and systemic complications within 30 days and 1 year after surgery.

YES____ NO____ UNCLEAR____

4. Were the patients undergoing cerebrovascular intervention through transcarotid arterial access?

YES____ NO____ UNCLEAR____

5. Were the patients treated through transcarotid arterial access compared to others through transfemoral arterial access?

YES____ NO____ UNCLEAR____

If you answer NO to any of these questions, the citation/study will be excluded. All other full-text articles will be included.