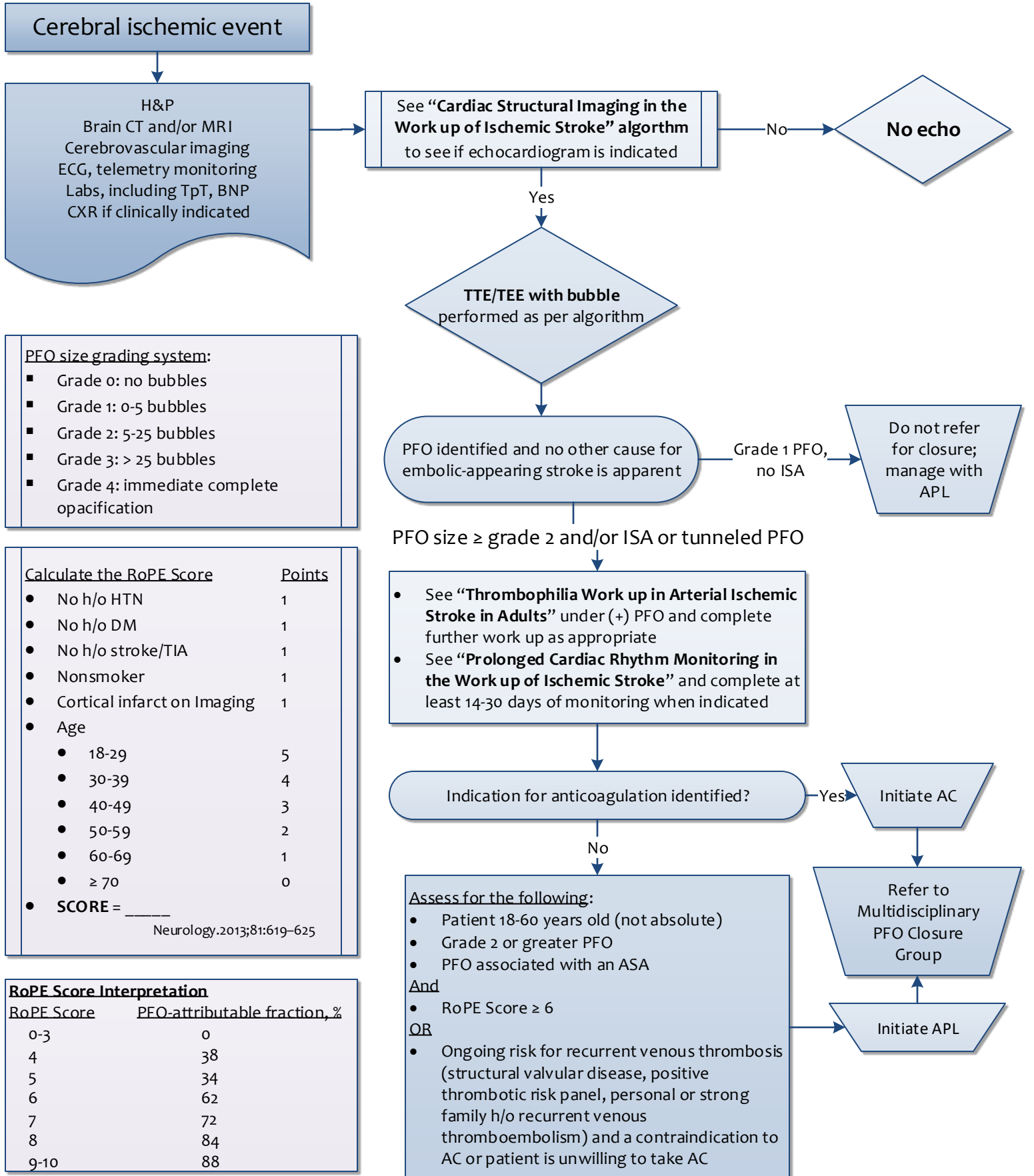


Management Strategy for Patent Foramen Ovale in Otherwise Cryptogenic Stroke Patients



Cerebral ischemic event

H&P
Brain CT and/or MRI
Cerebrovascular imaging
ECG, telemetry monitoring
Labs, including TpT, BNP
CXR if clinically indicated

See "Cardiac Structural Imaging in the Work up of Ischemic Stroke" algorithm to see if echocardiogram is indicated

No

No echo

Yes

TTE/TEE with bubble performed as per algorithm

PFO identified and no other cause for embolic-appearing stroke is apparent

Grade 1 PFO, no ISA

Do not refer for closure; manage with APL

PFO size ≥ grade 2 and/or ISA or tunneled PFO

PFO size grading system:

- Grade 0: no bubbles
- Grade 1: 0-5 bubbles
- Grade 2: 5-25 bubbles
- Grade 3: > 25 bubbles
- Grade 4: immediate complete opacification

Calculate the RoPE Score

Points

- No h/o HTN 1
- No h/o DM 1
- No h/o stroke/TIA 1
- Nonsmoker 1
- Cortical infarct on Imaging 1
- Age
 - 18-29 5
 - 30-39 4
 - 40-49 3
 - 50-59 2
 - 60-69 1
 - ≥ 70 0

• SCORE = _____

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- See "Thrombophilia Work up in Arterial Ischemic Stroke in Adults" under (+) PFO and complete further work up as appropriate
- See "Prolonged Cardiac Rhythm Monitoring in the Work up of Ischemic Stroke" and complete at least 14-30 days of monitoring when indicated

Indication for anticoagulation identified?

Yes

Initiate AC

No

Assess for the following:

- Patient 18-60 years old (not absolute)
- Grade 2 or greater PFO
- PFO associated with an ASA

And

- RoPE Score ≥ 6

OR

- Ongoing risk for recurrent venous thrombosis (structural valvular disease, positive thrombotic risk panel, personal or strong family h/o recurrent venous thromboembolism) and a contraindication to AC or patient is unwilling to take AC

Refer to Multidisciplinary PFO Closure Group

Initiate APL

RoPE Score Interpretation

| RoPE Score | PFO-attributable fraction, % |
|------------|------------------------------|
| 0-3 | 0 |
| 4 | 38 |
| 5 | 34 |
| 6 | 62 |
| 7 | 72 |
| 8 | 84 |
| 9-10 | 88 |

ISA = intra-atrial septal aneurysm;
APL = antiplatelets;
AC = anticoagulation