Supplementary Table 1. Stroke workup of patients aged 18–60 years with ischemic stroke as a first-ever stroke in the Normandy Stroke Study (2017–2022)

	All strokes (n=509)	Otherwise cryptogenic stroke* (n=197)	PFO-associated stroke (n=75)
Brain imaging			
MRI head	494 (97.1)	193 (98.0)	75 (100.0)
CT head	485 (95.3)	183 (92.9)	72 (96.0)
Vessel imaging			
CTA neck	464 (91.2)	179 (90.9)	70 (93.3)
MRA neck	21 (4.1)	9 (4.6)	4 (5.3)
US neck	117 (23.0)	39 (19.8)	13 (17.3)
CTA, MRA or US neck	496 (97.4)	196 (99.5)	75 (100.0)
CTA head	470 (92.3)	179 (90.9)	75 (100.0)
MRA head	477 (93.7)	189 (95.9)	73 (97.3)
CTA or MRA head	503 (98.8)	195 (99.0)	75 (100.0)
Cardiac explorations			
Cardiac monitoring ≥24 hours	458 (90.0)	186 (94.4)	72 (96.0)
Cardiac monitoring ≥3 weeks	48 (9.4)	34 (17.3)	5 (6.7)
cTTE	389 (76.4)	144 (73.1)	55 (73.3)
cTEE	163 (32.0)	114 (57.9)	63 (84.0)
cTTE or cTEE	460 (90.4)	190 (96.4)	75 (100.0)
Contrast-enhanced TTE	209 (41.1)	109 (55.3)	49 (65.3)
Contrast-enhanced TEE	120 (23.6)	86 (43.7)	44 (58.7)
Contrast-enhanced TCD	4 (0.8)	3 (1.5)	1 (1.3)
Any contrast-enhanced PFO study	295 (58.0)	166 (84.3)	74 (98.7)
Thrombophilia			
Anti beta2glycoprotein 1	429 (84.3)	178 (90.4)	72 (96.0)
Anticardiolipin	431 (84.7)	178 (90.4)	72 (96.0)
Lupus anticoagulant	426 (83.7)	178 (90.4)	71 (94.7)

Values are presented as n (%).
PFO, patent foramen ovale; MRI, magnetic resonance imaging; CT, computed tomography; CTA, computed tomography angiography; MRA, magnetic resonance angiography; US, ultrasound; cTEE, transesophageal echocardiogram; cTTE, transthoracic echocardiogram; TCD, transcranial Doppler; PASCAL, PFO-Associated Stroke Causal Likelihood.
*Includes PASCAL (highly) probable or possible PFO-associated strokes.

Supplementary Table 2. Comparison of patients with and without a contrast-enhanced PFO study among those with an otherwise cryptogenic stroke

	With contrast-enhanced PFO study (n=166)	Without contrast-enhanced PFO study* (n=31)
Age (yr)	47 (40–54)	57 (52–59)
Female sex	75 (45.2)	10 (32.3)
Arterial hypertension	56 (33.7)	20 (64.5)
Dyslipidemia	26 (15.7)	12 (38.7)
Active smoking	78 (47.0)	13 (41.9)
Diabetes	9 (5.4)	7 (22.6)
Number of risk factors†		
0	54 (32.5)	5 (16.1)
1	70 (42.2)	11 (35.5)
2	28 (16.9)	6 (19.4)
3	13 (7.8)	7 (22.6)
4	1 (0.6)	2 (6.5)
Alcohol overuse	26 (15.7)	6 (19.4)
RoPE score	7 (6–8)	5 (5–7)
30%–49% atherosclerotic stenosis ipsilateral to the infarct	5 (3.0)	4 (12.9)

Values are presented as median (interquartile range) or n (%).
PFO, patent foramen ovale; RoPE, Risk of Paradoxical Embolism.
*Includes 1 patient with PFO-associated stroke identified on a transesophageal echocardiogram but with no contrast-enhanced study; †Includes arterial hypertension, dyslipidemia, active smoking, and diabetes.