

IN A NUTSHELL

The knowledge platform for general practitioners

CHA₂DS₂-VASc Score

The CHA₂DS₂-VASc score is used for risk stratification of ischemic stroke and thromboembolism in patients with atrial fibrillation. Based on this, the necessity of therapeutic anticoagulation can be estimated. This score is a further development and improvement of the CHADS₂ score.

To assess the 1-year risk of major bleeding in patients with atrial fibrillation, the [HAS-BLED score](#) can be used.

Congestive heart failure or left ventricular dysfunction

No Yes (+1)

Hypertension

treated or untreated

No Yes (+1)

Age

< 65 years 65–74 years (+1) ≥ 75 years (+2)

Diabetes mellitus

No Yes (+1)

Previous Stroke, transient ischemic attacks, or thromboembolism

No Yes (+2)

Vascular disease

previous myocardial infarction, peripheral arterial disease, or aortic plaque

No Yes (+1)

Sex

Male Female (+1)

CHA₂DS₂-VASc Score:

- Ischemic stroke:
- Thromboembolism:

Recommendation:

Interpretation

Points	Risk for ischemic stroke	Risk for thromboembolism	Recommendation
0	0.2 %	0.2 %	Low risk for ischemic stroke and thromboembolism Anticoagulation rather not required
1	0.6 %	0.9 %	Intermediate risk for ischemic stroke and thromboembolism Consider anticoagulation
2	2.2 %	2.9 %	
3	3.2 %	4.6 %	
4	4.8 %	6.7 %	
5	7.2 %	10 %	High risk of ischemic stroke and thromboembolism
6	9.7 %	13.6 %	Anticoagulation recommended
7	11.2 %	15.7 %	
8	10.8 %	15.2 %	
9	12.2 %	17.4 %	

References

1. Lip GY, Nieuwlaat R, Pisters R et al. Refining clinical risk stratification for predicting stroke and thromboembolism in atrial fibrillation using a novel risk factor-based approach: the euro heart survey on atrial fibrillation. *Chest* 2010; 137: 263-272
2. Friberg L, Rosenqvist M, Lip GY. Evaluation of risk stratification schemes for ischaemic stroke and bleeding in 182 678 patients with atrial fibrillation: the Swedish Atrial Fibrillation cohort study. *Eur Heart J* 2012; 33: 1500-1510
3. Hindricks G, Potpara T, Dagres N et al. 2020 ESC Guidelines for the diagnosis and management of atrial fibrillation developed in collaboration with the European Association of Cardio-Thoracic Surgery (EACTS). *Eur Heart J* 2020: