

Management of Periprocedural Anticoagulation (Thrombotic Risks)

Patient THROMBOTIC Risk

Ultra High	High	Intermediate	Low
History of thromboembolism when anticoagulation held	1) Mechanical valves <ul style="list-style-type: none"> a) Any mitral or tricuspid valve prosthesis b) Older caged ball (Starr-Edwards) or tilting disc (Bjork-Shiley, Medtronic-Hall) aortic prosthesis c) Bileaflet (St Jude, Carbomedics) aortic valves with additional risk factors* d) Stroke or TIA in past 6 months 2) Atrial fibrillation <ul style="list-style-type: none"> a) CHADS₂ score 5-6 b) Rheumatic valvular heart disease c) Stroke or TIA in past 3 months 3) VTE <ul style="list-style-type: none"> a) VTE in past 3 months b) Severe thrombophilia (e.g. antiphospholipid syndrome) c) Multiple thrombophilic conditions 	1) Mechanical valves <ul style="list-style-type: none"> a) Bileaflet (St Jude, Carbomedics) aortic valves with additional risk factors* 2) Atrial fibrillation <ul style="list-style-type: none"> a) CHADS₂ score 3-4 3) VTE <ul style="list-style-type: none"> a) VTE within the past 3-12 months b) Recurrent VTE c) Mild thrombophilia (e.g. factor V Leiden mutation) d) Active cancer (treated within 6 months or palliative) 	1) Mechanical valves (non-mitral) <ul style="list-style-type: none"> a) Bileaflet without atrial fibrillation or other stroke risk factors* 2) Atrial fibrillation <ul style="list-style-type: none"> a) CHADS₂ score 0-2 3) VTE <ul style="list-style-type: none"> b) Single VTE > 6 months ago without other stroke risk factors*

***Additional risk factors for thromboembolism with mechanical valves:** atrial fibrillation, prior thromboembolism, hypercoagulable condition, EF < 30%, or multiple valves

CHADS ₂ , Scoring		
C	1	CHF
H	1	HTN
A	1	Age > 75
D	1	Diabetes Mellitus
S₂	2	Stroke or TIA