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Authors

Marroquin, Maria Sy, John Potukuchi, Praveen <u>et al.</u>

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RISK OF BLEEDING VS STROKE IN ESRD PATIENTS WITH ATRIAL FIBRILLATION: <u>Maria Marroquin¹</u>, John Sy², Praveen Potukuchi⁴, Manyoo Agarwal⁴, Csaba Kovesdy^{3,4}, Kamyar

Kalantar-Zadeh^{1,2}, Elani Streja^{1,2}. ¹HSC, Orange, CA, United States; ²VA Long Beach Healthcare System, Long Beach, CA, United States; ³Memphia VA Medical Center, Memphis, TN, United States; ⁴University of Tenessee, Memphis, TN, United States

It is unknown if patients who transition to dialysis with preexisting atrial fibrillation (AF) require continued anticoagulation (AC) for stroke prevention due to higher risk of bleeding on dialysis. We sought to assess risk balance among patients transitioning to dialysis using risk calculators (HAS-BLED, CHA2SD2-VASc) not yet validated among US-based dialysis patients.

Veterans with AF prior to dialysis transition (Jan 2007-Mar 2015) were included in our cohort. Risk factors used to calculate the HAS-BLED and CHA2DS2-VASc scores were obtained from claims data. Patients were followed from date of transition to death, kidney tranplant, other censor, or Sep 1st, 2015. Incident rates for bleeding and stroke were calculated for each score.

24,383 patients were included in our cohort. Higher HAS-BLED scores and higher CHA2DS2-VASc scores were predictive of higher bleeding and stroke risk, respectively. A HAS-BLED score of 0 was associated with higher risk of bleeding (5.57 per 100 pt-yrs) compared to the highest risk of stroke at any CHA2DS2-VASc score (table).

Higher HAS-BLED and CHA2DS2-VASc score are predictive of poor outcomes in dialysis patients. Bleeding risk among dialysis patients with AF appears to outweigh risk of stroke; therefore, continuation of AC may not be indicated after dialysis transition.

Soore	HAS-BLED			CHA ₂ D5 ₇ -VASc		
	Patients	Blooding Events	Rate (per 300 <u>pl.yrs</u>)	Pubents	Stroke Events	Rate (per 100 <u>pt yrs</u>)
0	40		5.6(1.7, 5.4)	3.4	1	3.3 (r/s)
1	3843	444	6.5 (5.5, 2.1)	65	0	0(0,0)
2	8.20%	1000	7.5 (7.0, 8.0)	239		1.5 (0.5, 1.4)
3	2409	899	8.2 (7.7, 8.8)	608	27	2.0 (1.3, 3.8)
4	3.774	479	9.2 (8.4, 10.1)	1750	- 61	1.8 (1.4, 1.3)
3	975	148	12.1 (10.1 14.0)	3540	134	24(23.28)
6	102	11.	10.0 (4.1, 16.0)	4050	207	3.5 (3.1, 3.5)
7	7	4	34.3 (0.3, 48.0)	9.272	302	4.2 (3.2, 4.8)
8	Pa/16.	N/A	N/A	8366	5,05	4.8 (4.4, 5.2)
- 9	69/4	5(5)	5,0,	343	17	34(14,54)