

Supplemental Table 1. Descriptive characteristics of the validation cohort.

	All patients n = 862	No ATTR- CA n = 476	ATTR-CA n = 386	<i>p</i>
Age, yrs	78.9 ± 8.6	77.3 ± 9.2	80.9±7.3	<0.001
Age >80	464/862 (53.8)	222/476 (46.6)	242/386 (62.7)	<0.001
Male gender	561/862 (65.1)	238/476 (50)	323/386 (83.7)	<0.001
Hypertensive cardiomyopathy	301/861 (35)	212/475 (44.6)	89/386 (23.1)	<0.001
Permanent pacemaker	133/861 (15.4)	61/476 (12.8)	72/385 (18.7)	0.02
HFpEF	586/861 (68.1)	339/476 (71.2)	247/385 (64.2)	0.03
Carpal Tunnel Sd	107/862 (12.4)	19/476 (4)	88/386 (22.8)	<0.001
Lumbar canal stenosis	50/862 (5.8)	16/476 (3.3)	34/386 (8.8)	0.001
Hypo or normotensive previously hypertensive	75/861 (8.7)	9/475 (1.9)	66/386 (17.1)	0.001
Low QRS voltage	178/861 (20.7)	65/476 (13.7)	113/385 (29.4)	<0.001
Pseudoinfarction pattern	252/861 (29.3)	118/476 (24.8)	134/385 (34.8)	0.001
First degree AV block	126/861 (14.6)	52/476 (10.9)	74/385 (19.2)	0.001
RBBB	166/860 (19.3)	69/476 (14.5)	97/384 (25.3)	<0.001
Atrial fibrillation/flutter	470/860 (54.7)	216/475 (45.5)	254/385 (66)	<0.001
Aortic stenosis Grade >1	101/794 (12.7)	71/448 (15.8)	30/346 (8.7)	0.003
IVSd, mm	16.3±3.3	15.4±2.9	18±3.3	<0.001
Severe Hypertrophy (IVS>=16)	499/862 (57.9)	205/476 (43.1)	294/386 (76.2)	<0.001
NTproBNP, pg/ml	3693±6838	3503±7026	3877±6656	0.47
NTproBNP>1800	329/699 (47.1)	148/344 (43)	181/355 (51)	0.04

Abbreviations: HFpEF, Heart failure with a preserved ejection fraction

Supplemental Table 2. T-Amylo AUC (95% CI) at each participating hospital (validation cohort).

Hospital	n	Prediction model	Simplified Score
Hospital Universitario Araba	112	0.84 (0.76-0.91)	0.81 (0.73-0.89)
Hospital Universitario Basurto	160	0.86 (0.80-0.92)	0.83 (0.77-0.90)
Hospital Ciudad Real	39	0.87 (0.75-0.98)	0.84 (0.72-0.96)
Hospital Universitario de Cruces	28	0.80 (0.64-0.97)	0.76 (0.59-0.94)
Hospital Galdakao	23	0.87 (0.72-1.00)	0.87 (0.70-1.00)
Hospital Josep Trueta.	68	0.83 (0.73-0.93)	0.79 (0.68-0.89)
Hospital Puerta de Hierro	100	0.83 (0.73-0.94)	0.79 (0.67-0.90)
Hospital San Eloy	20	0.89 (0.74-1.00)	0.71 (0.47-0.94)
Complejo hospitalario A Coruña	231	0.79 (0.72-0.85)	0.77 (0.70-0.83)
Hospital Universitario de Navarra	81	0.96 (0.92-0.99)	0.93 (0.88-0.99)
Hospital Vall De Hebrón	33	0.83 (0.67-0.99)	0.84 (0.69-0.99)

Supplemental Table 3: The distribution of both T-Amylo prediction model and score in validation cohort and 3 clinical subgroups

	LOW RISK	INTERMEDIATE RISK	HIGH RISK
Validation cohort N 895			
Prediction model	N 226 (DPD- 205 / DPD+ 21) Se 94.7 (92.5-96.9) Sp 41.1 (36.8-45.4)	N 486 (DPD- 271 / DPD + 215)	N 183 (DPD - 23 / DPD + 160) Se 40.4 (35.6-45.2) Sp 95.4 (93.6-97.2)
Simplified score	N 193 (DPD - 171 /DPD +22) Se 94.4 (92.2-96.7) Sp 34.3 (30.1-38.4)	N 547 (DPD -309 / DPD +238)	N 155 (DPD - 19 / DPD + 136) Se 34.4 (29.7-39.1) Sp 96.2 (94.5-97.9)
HHD N 327			
Prediction model	N 102 (DPD - 100 / DPD + 2) Se 98 (95-100) Sp 43.7 (32.2-50.0)	N 178 (DPD - 125 / DPD + 53)	N 47 (DPD - 3 / DPD +44) Se 44.9 (35.1-54.8) Sp 98.7 (97.2-100)
Simplified score	N 81 (DPD - 80 / DPD + 1) Se 99 (97-100) Sp 34.9 (28.8-41.1)	N 203 (DPD - 145 / DPD + 58)	N 43 (DPD - 4 / DPD + 39) Se 39.8 (30.1-49.5) Sp 98.2 (96.6-100)
AS N 105			
Prediction model	N 50 (DPD - 48 / DPD + 2) Se 93.3 (84.4-100) Sp 64 (53.1 -75)	N 46 (DPD - 25 / DPD +21)	N 9 (DPD -2 / DPD + 7) Se 23.3 (8.2-33.5) Sp 97.3 (93.7-100)
Simplified score	N 29 (DPD -28 / DPD +1) Se 96.7 (90.0-100) Sp 37.3 (26.4 -48.3)	N 63 (DPD - 45 / DPD + 18)	N 13 (DPD -2 / DPD +11) Se 36.7 (19.4-54) Sp 97.3 (93.7-100)
HFpEF N 604			
Prediction model	N 183 (DPD - 167 / DPD + 16) Se 93.7 (90.7-96.7) Sp 47.7 (42.5-52.9)	N 301 (DPD - 168 / DPD + 133)	N 120 (DPD - 5 / DPD + 115) Se 41.3 (35.3-47.4) Sp 95.7 (93.6-97.8)
Simplified score	N 142 (DPD -133 / DPD + 9) Se 96.5 (94.2-98.7) Sp 38 (33-43.1)	N 355 (DPD - 201 / DPD + 154)	N 107 (DPD - 16 / DPD + 91) Se 35.8 (30-41.7) Sp 95.4 (93.2-97.6)

Abbreviations: Se= Sensitivity; Sp= specificity; HHD: hypertensive heart disease; HFpEF; Heart failure with preserved ejection fraction; AS: aortic stenosis

Supplemental Table 4. Prevalence of ATTR-CA and diagnostic accuracy of T-Amylo in subgroups with high prevalence of ATTR-CA.

	AUC (95% CI)		
	ATTR-CA Diagnosis	Prediction model	Simplified Score
Hypertensive cardiomyopathy (n = 327)	98 (30%)	0.89 (0.86-0.93)	0.86 (0.82-0.90)
HFpEF (n = 604)	254 (42%)	0.86 (0.83-0.88)	0.84 (0.81-0.87)
Severe aortic stenosis (n = 105)	30 (29%)	0.85 (0.77-0.93)	0.87 (0.79-0.94)

Abbreviations: ATTR-CA, transthyretin cardiac amyloidosis; AUC, area under de curve; HFpEF, hearth failure preserved ejection fraction