

**Table2. Diagnostic accuracy of echocardiographic variables for the detection of CA in patients with systemic AL amyloidosis (upper panel) and in patients with Increased Wall Thickness (lower panel).**

Systemic AL amyloidosis						
	AUC (95% CI)	Cut off	Sens, % (95% CI)	Spec, % (95% CI)	+LR (95% CI)	-LR (95% CI)
NT-proBNP, ng/mL	0.85 (0.75-0.81)	>1302	75 (69-80)	81 (74-87)	3.99 (2.9-5.5)	0.31 (0.2-0.4)
IVSd, mm	0.85 (0.82-0.88)	> 13	72 (67-77)	87 (81-91)	5.36 (3.6-7.9)	0.33 (0.3-0.4)
PWTd, mm	0.85 (0.82-0.88)	>13	76 (71-80)	84 (78-89)	4.82 (3.4-6.8)	0.29 (0.2-0.4)
LVEDD, mm	0.68 (0.64-0.72)	≤ 42	50 (44-55)	80 (73-85)	2.44 (1.8-3.3)	0.63 (0.6-0.7)
RWT	0.86 (0.84-0.90)	> 0.52	85 (80-88)	75 (68-81)	3.39 (2.6-4.4)	0.20 (0.2-0.3)
LVEDV, mL	0.51 (0.47-0.58)	≤ 65	53 (47-60)	56 (45-67)	1.21 (0.9-1.6)	0.83 (0.7-1.0)
LVESV, mL	0.58 (0.52-0.63)	>36	36 (30-43)	82 (72-90)	2.04 (1.3-3.3)	0.77 (0.7-0.9)
LVMi, g/m <sup>2</sup>	0.75 (0.70-0.78)	>125	57 (51-62)	82 (75-88)	3.11 (2.2-4.4)	0.53 (0.5-0.6)
MCF	0.75 (0.70-0.80)	≤ 0.15	62 (56-68)	78 (68-87)	2.86 (1.9-4.4)	0.48 (0.4-0.6)
LAA, cm <sup>2</sup>	0.69 (0.64-0.73)	> 19	73 (68-78)	58 (49-67)	1.74 (1.4-2.2)	0.46 (0.4-0.6)
LVEF, %	0.70 (0.66-0.74)	≤ 60	67 (60-74)	67 (60-74)	2.06 (1.6-2.6)	0.49 (0.4-0.6)
MAPSE, mm	0.81 (0.77-0.85)	≤ 11	65 (60-70)	84 (78-89)	4.14 (2.9-5.9)	0.41 (0.4-0.5)
TAPSE, mm	0.74 (0.70-0.78)	≤ 19	67 (61-72)	76 (69-82)	2.78 (2.1-3.7)	0.44 (0.4-0.5)
SV, mL	0.61 (0.55-0.66)	≤ 39	68 (62-74)	54 (42-65)	1.46 (1.1-1.9)	0.60 (0.5-0.8)
E/A	0.75 (0.71-0.79)	> 1.2	60 (55-66)	84 (78-90)	3.85 (2.7-5.6)	0.47 (0.4-0.5)
DT, ms	0.72 (0.67-0.76)	≤ 225	78 (73-82)	58 (50-66)	1.86 (1.5-2.3)	0.38 (0.3-0.5)
E/e'	0.81 (0.78-0.85)	>10	70 (64-75)	81 (74-86)	3.60 (2.6-4.9)	0.38 (0.3-0.5)
LS,%	0.82 (0.78-0.85)	≥ -14	63 (57-68)	87 (81-91)	4.68 (3.2-6.9)	0.43 (0.4-0.5)
SAB	0.73 (0.69-0.77)	> 3.1	51 (45-56)	88 (82-92)	4.13 (2.7-6.3)	0.56 (0.5-0.6)
RALS	0.75 (0.71-0.79)	> 1	58 (53-64)	83 (77-88)	3.47 (2.5-4.9)	0.50 (0.4-0.6)
EFSR	0.78 (0.74-0.82)	> 3.8	71 (66-76)	73 (66-80)	2.76 (2.1-3.4)	0.39 (0.3-0.5)
AL Score	0.90 (0.87-0.92)	≥ 3	83 (79-87)	85 (78-90)	5.45 (3.8-7.8)	0.20 (0.2-0.3)

Increased Wall Thickness						
	AUC (95% CI)	Cut off	Sens, % (95% CI)	Spec, % (95% CI)	+LR (95% CI)	-LR (95% CI)
NT-proBNP, ng/mL	0.74 (0.70-0.77)	> 1452	76 (72-80)	62 (55-68)	1.98 (1.7-2.3)	0.39 (0.3-0.5)
IVSd, mm	0.77 (0.74-0.80)	> 15	64 (60-68)	79 (74-83)	3.08 (2.5-3.8)	0.45 (0.4-0.5)
PWTd, mm	0.83 (0.81-0.85)	> 13	82 (79-85)	73 (68-78)	3.02 (2.5-3.6)	0.25 (0.2-0.3)
LVEDD, mm	0.64 (0.61-0.67)	≤ 46	65 (61-69)	57 (52-63)	1.52 (1.3-1.7)	0.61 (0.5-0.7)
RWT	0.83 (0.80-0.85)	> 0.6	79 (76-82)	72 (67-77)	2.84 (2.4-3.4)	0.29 (0.2-0.3)
LVEDV, mL	0.59 (0.55-0.63)	≤ 79	65 (61-69)	52 (46-59)	1.37 (1.2-1.6)	0.67 (0.6-0.8)
LVESV, mL	0.50 (0.47-0.54)	> 52	17 (14-21)	73 (68-79)	0.64 (0.5-0.9)	1.13 (1.0-1.2)
LVMi, g/m <sup>2</sup>	0.68 (0.64-0.71)	> 141	64 (61-68)	65 (59-70)	1.84 (1.6-2.2)	0.55 (0.5-0.6)
MCF	0.74 (0.70-0.76)	≤ 0.13	62 (58-67)	75 (69-80)	2.45 (2.0-3.1)	0.51 (0.4-0.6)
LAA, cm <sup>2</sup>	0.56 (0.52-0.59)	> 23	68 (64-72)	45 (39-51)	1.24 (1.1-1.4)	0.71 (0.6-0.8)
LVEF, %	0.60 (0.57-0.63)	≤ 57	67 (63-71)	51 (46-57)	1.38 (1.2-1.6)	0.64 (0.5-0.7)
MAPSE, mm	0.70 (0.67-0.73)	≤ 11	72 (69-76)	60 (55-65)	1.82 (1.6-2.1)	0.46 (0.4-0.5)
TAPSE, mm	0.70 (0.67-0.73)	≤ 19	67 (64-71)	64 (58-69)	1.86 (1.6-2.2)	0.51 (0.4-0.6)
SV, mL	0.66 (0.62-0.69)	≤ 42	70 (66-74)	55 (49-62)	1.57 (1.3-1.8)	0.54 (0.5-0.6)
E/A	0.80 (0.77-0.83)	> 1.1	74 (70-78)	75 (70-81)	3.01 (2.4-3.7)	0.35 (0.3-0.4)
DT, ms	0.57 (0.53-0.60)	≤ 210	70 (66-73)	48 (42-54)	1.34 (1.2-1.5)	0.63 (0.5-0.7)
E/e'	0.69 (0.66-0.72)	>11	70 (66-74)	61 (56-67)	1.81 (1.6-2.1)	0.49 (0.4-0.6)
LS,%	0.69 (0.66-0.72)	≥ -13	67 (63-71)	63 (57-68)	1.79 (1.5-2.1)	0.53 (0.5-0.6)
SAB	0.77 (0.74-0.80)	> 2.9	67 (63-71)	77 (72-81)	2.89 (2.4-3.5)	0.43 (0.4-0.5)
RALS	0.77 (0.75-0.80)	> 0.9	71 (67-74)	73 (68-78)	2.67 (2.2-3.2)	0.40 (0.3-0.5)
EFSR	0.67 (0.64-0.70)	> 4.3	62 (58-66)	65 (60-70)	1.77 (1.5-2.1)	0.59 (0.5-0.7)
IWT Score	0.87 (0.85-0.90)	≥ 6	78 (75-81)	79 (74-84)	3.75 (3.0-4.7)	0.28 (0.2-0.3)

AL amyloidosis=light chain amyloidosis; Increased Wall Thickness=IVSd or PWTd  $\geq$ 12mm; NT proBNP=N-terminal pro b-type natriuretic peptide; IVSd=interventricular septum in diastole; PWTd=posterior wall thickness in diastole; LVEDD=Left ventricular end diastolic volume; RWT=Relative wall thickness; LVEDV=Left ventricular end diastolic volume; LVESV=Left ventricular end systolic volume; LVMi=LV mass index; MCF=Myocardial contraction fraction; LAA=Left atrium area; LVEF=Left ventricular ejection fraction; MAPSE=Mitral annular plane systolic excursion; TAPSE=Tricuspid annular plane systolic excursion; SV=Stroke volume; E/A=E wave/A wave ratio; DT=Deceleration Time; E/e'=E wave/e'wave; LS=Longitudinal Strain; SAB=Systolic apex to base ratio; RALS=Relative apical longitudinal sparing; EFSR=Ejection fraction/LS ratio.