



OUTCOME OF PATIENTS WITH LOW-FLOW LOW GRADIENT AORTIC STENOSIS WITH PRESERVED EJECTION FRACTION. ARE THERE DIFFERENCES ACCORDING TO ECHOCARDIOGRAPHIC PARAMETERS

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DEFINITION:

- Aortic Valve Area (AVA) <math>< 1\text{cm}^2</math>
- Mean Gradient (MG) <math>< 40\text{mmHg}</math>
- Ejection Fraction (FE) > 50%
 - Stroke Volume (SV <math>< 35\text{mL/m}^2</math>
 - Ventriculo-arterial impedance (Zva > 0 <math>< 4.5\text{mmHg/mL/m}^2</math>)

Objective: Evaluate if there are differences in the prognosis of patients with eco criteria of LF-LG AS with preserved EF according to echo parameters defined in previous studies (SV and Zva)

Méthods: Clinical and Echocardiographic evaluation of correlative patients (2011-2013)

RESULTS: n= 56 pacientes

Mean Age	76 years	HTA	87% (49p)	ZVa > 4.5 mmHg/mL/ m ²	34% (19 p)
Male	51% (29p)	DTDVI <math>< 47\text{mm}</math>	61% (34p)	VS <math>< 35\text{mL/m}^2</math>	25% (14 p)

1 year evolution: Asintomatic 46% (26patients) 1 year echo 73% (41pacientes)
 Mortality: 4% (2 patients)

	Group1 (n: 16pacientes) (Evolution to "classical" NF-NG AS or AVR needed)	Group 2 (n: 25 pacientes) (1 year echo persists "LF-LG AS")	p
HTA	100%	84%	0.043
Indexed Body size	1.78m ²	1.62m ²	0.107
DTDVI	47mm	45mm	0.291
VS	45mL/m ²	39mL/m ²	0.07
VS <math>< 35\text{mL/m}^2</math>	13%	36%	0.078
Zva	3.95 mmHg/mL x m ²	4.52 mmHg/mL x m ²	0.019
Zva >4.5 mmHg/mL x m ²	6%	48%	0.001

CONCLUSIONS:

- In our Hospital , outcome of "LF-LG AS" is relatively good
- Rapid evolution of AS and need for surgery were not related to echocardiographic parameters (VS and Zva)