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THIS ABSTRACT HAS BEEN WITHDRAWN

15 **CARDIAC MAGNETIC RESONANCE (CMR) ASSESSMENT OF RIGHT VENTRICULAR-PULMONARY ARTERIAL COUPLING AND RIGHT VENTRICULAR TRABECULAR COMPLEXITY: IMPACT ON PROGNOSIS IN PATIENTS UNDERGOING LUNG TRANSPLANT ASSESSMENT**

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10.1136/heartjnl-2019-BSCMR.15

Introduction Right ventricular (RV) function strongly influences prognosis in pulmonary hypertension (PH), but it remains

Abstract 15 Table 1 CMR and echo variables, correlations and outcomes in patients undergoing lung transplant assessment

	All patients (n=84)		Alive (n=70)		Dead (n=14)		Alive vs dead p value	HR	CI	p value
	Mean/ median	SEM/IQR	Mean/ median	SEM/IQR	Mean/ median	SEM/IQR				
Demographics										
Age (years)	53	16	53	15	50	18	0,26			
Gender (M)	46		37		9		0,43			
BSA	1,78	0,02	1,78	0,03	1,79	0,05	0,84			
Ethnicity							overall 0.90			
White	72		60		12					
African	2		2		0					
Afro-Caribbean	6		5		1					
Asian	4		3		1					
Diagnosis										
Underlying lung disease										
ILD	28		23		5				overall 0.46	
Emphysema	32		27		5					
Cystic Fibrosis	15		14		1					
Bronchiectasis	5		3		2					
Other	3		2		1					
Pulmonary hypertension (echo diagnosis, n=51)	51		41		10		0,58			
Clinical classification of patients with PH (n=51)										
Group 1	3		3		0					
Group 3	40		32		8					
Group 5	8		6		2					
Transplanted	22		15		7		0,03	2,06	0.68–6.22	0,20
MRI and Echo indices										
mPAP	27	11	26	10	33	23	0,04	1,05	1.01–1.09	<0.005
CMR LVEDVI	58	23	59	24	57	19	0,93			
CMR LVESVI	22	13	21	13	25	13	0,30			
CMR LV StVI	38	1,54	37	1,43	39	6,04	0,63			
CMR LVEF	62	1,07	63	1,14	58	2,77	0,06			
CMR RVEDVI	72	32	70	28	83	62	0,01	1,03	1.01–1.04	<0.005
CMR RVESVI	41	2,62	37	2,06	64	10,14	0,02	1,03	1.01–1.04	<0.005
CMR RV StVI	37	14	37	13	35	11	0,49			
CMR RVEF	51	18	53	15	38	17	,001	0,94	0.90–0.97	<0.005
CMR 4ch RAArea	16	7	16	6	20	6	0,11			
LGE	14		9		5		0,04	2,45	0.79–7.61	0,12
Non-insertion point LGE	7		5		2		0,38			
RV-PA coupling SV/ESV	1,03	0,72	1,12	0,67	0,57	0,48	,001	0,12	0.027–0.52	<0.005
Global FD	1,26	,004	1,26	,004	1,26	,012	0,49			
Maximal Basal FD	1,33	,007	1,32	,008	1,33	,017	0,35			
Mean Basal FD	1,26	,006	1,25	,007	1,28	,014	0,06			
Maximal Apical FD	1,30	,007	1,30	,008	1,30	,016	0,74			
Mean Apical FD	1,25	,007	1,25	,007	1,25	,016	0,80			