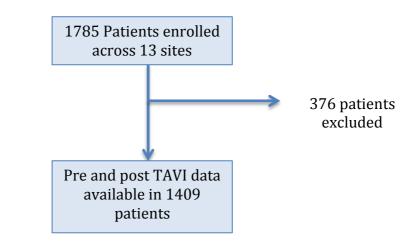
Participant Flow:

1785 patients were enrolled into the study

Of these 1785 patients

- Complete ECG data pre and post TAVI was available in 1409 patients
- 376 patients were excluded



Baseline Characteristics

	No LBBB	Pre-existing LBBB	New LBBB	All
Age	81.5 +/- 7.2	81.4 +/- 8.4	81.5 +/- 6.6	81.6 +/- 7.3
Male (%)	50.1	59.8	50.8	51.9
Diabetic (%)	28.4	21	31.4	28.0
PVD (%)	19.2	21.2	20.3	19.7
HTN (%)	56.5	60.2	61.3	57.6
CRD (%)	29.9	23.7	26.7	28.2
Pulmonary HTN	17.7	21.0	21.7	19.1
Current/Ex Smoker	56.1	54.8	57.2	56.2
CVA/TIA	17.7	15.1	15.2	16.7
Logistic Euroscore	20.1 +/- 12.5	21.9 +/- 12.9	18.8 +/- 12.2	20.3 +/- 12.6
Previous CABG	28.3	31.5	32.3	29.7
Previous BAV	13.7	17.2	10.3	13.4
Previous surgical AVR	4.3	7.7	3.8	4.7
Previous PCI	21.4	18.5	23.4	21.5
Pre TAVI CCS Class				
Class I	34.3	21.4	17.6	28.2
Class II	34.9	42.7	47.2	39.2
Class III	28.2	31.5	31.7	29.6
Class IV	2.6	4.5	3.5	3.2
Pre TAVI NYHA				
Class I	3.1	2.1	2.2	2.8
Class II	20.1	15.9	16.3	18.6
Class III	61.2	59.5	63.4	61.5
Class IV	15.5	22.6	18.1	17.1
Previous MI	23.7	27.8	28.2	25.5
Creatinine	112.3 +/- 66.0	124 +/- 67.6	116.5 +/- 54.9	116.7 +/- 68.2
LVEF pre TAVI				
-Preserved	43.9	26.4	26.7	37.4
-Mild impairment	36.6	38.1	50.2	39.9
-Mod impairment	11.2	21.3	14.9	13.6
-Severe impairment	8.3	14.2	8.3	9.1
AVA	0.7 +/- 0.2	0.7 +/- 0.2	0.7 +/- 0.2	0.7 +/- 0.2
Peak AV gradient	80 +/- 25.5	80.3 +/- 36.9	79.0 +/- 27.2	79.0 +/- 27.4
Mean AV gradient	47.2 +/- 16.0	46.2 +/- 16.9	46.5 +/- 16.4	46.4 +/- 16.2
Sinus Rhythm	75.5	77.6	79.2	76.6
PR interval (ms)	179.8 +/- 49.0	198.8 +/- 47.2	188.9 +/- 47.6	183.7 +/- 50.7
QRS duration (ms)	103. +/- 22.2	150.8 +/- 20.1	104.6 +/- 19.1	111.20 +/- 28.3

Outcome Measures:

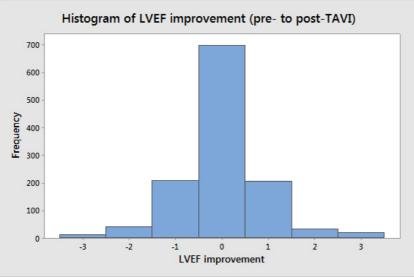
Primary Outcome – 1 year Mortality

Mortality data was available for 1367 of the 1409 patients. The total 1-year mortality was 272 patients. New LBBB was associated with a trend towards increased 1-year mortality compared to patients not having LBBB, although this failed to reach statistical significance (p=0.416)

Predictors of Mortality				
Age	0.271			
Female	0.812			
Diabetes	0.033			
Peripheral Vascular Disease	0.227			
Hypertension	0.581			
Chronic Respiratory Disease	0.985			
Pulmonary hypertension	0.294			
Current Smoker	0.128			
Ex smoker	0.104			
Previous CVA or TIA	0.083			
Logistic Euroscore	0.005			
Previous CABG	0.238			
Previous BAV	0.001			
Previous PCI	0.625			
Pre TAVI NYHA Score	0.501			
Previous MI	0.921			
Previous MI with pre-existing LBBB	0.028			
CKD (Creatinine)	0.003			
Pre TAVI LVEF	0.464			
Aortic Valve Area	0.806			
Peak AV Gradient	0.000			
Mean AV Gradient	0.001			
Aortic Regurgitation	0.528			
Atrial Fibrillation	0.039			
PR Interval	0.677			
QRS duration	0.069			
RBBB pre –TAVI	0.694			
New LBBB	0.416			

Secondary Outcomes

Predictors of Permanent Pacemaker		
Variable	p-value	
New LBBB	< 0.001	
Pre-TAVI LBBB	0.469	
Age	0.738	
Hypertension	0.027	
Previous CABG	0.193	
Previous BAV	0.421	
Previous Surgical AVR	0.331	
Pre-TAVI LVEF	0.037	
Pre-TAVI AVA	0.177	
Pre-TAVI Peak AV gradient	0.526	
Pre-TAVI Mean AV gradient	0.400	
Pre-TAVI Aortic Regurgitation	0.491	
Pre-TAVI Atrial Fibrillation	0.308	
Pre-TAVI PR Interval	0.108	
Pre-TAVI QRS duration	<0.001	
Pre-TAVI RBBB	<0.001	



Change in LV systolic function

In the majority of patients, the LVEF remained unchanged following TAVI

i jour mortunej una rost int i i i i i	
LVEF	1-year Mortality (%)
>55%	14.3
45-55%	6.9
35-45%	11.4
<35%	27.2

1-year Mortality and Post TAVI LVEF

There is a trend towards higher 1-year mortality with lower ejection fraction post TAVI (p=0.086).

Adverse Events: This was a retrospective UK wide multicenter registry. There were no adverse events associated with this trial.