E.1 Aortic stenosis – left ventricular ejection fraction (LVEF) on cardiac MRI

Figure 2: LVEF <50% compared to ≥50% on cardiac MRI in severe AS scheduled for AVR

_	-	LVI	EF <50% on CMR LVEF ≥ 50	0% on CMR	Hazard Ratio		Hazard Ratio				
Study or Subgroup	log[Hazard Ratio]	SE	Total	Total	IV, Fixed, 95% CI		IV, Fixed, 95% CI				
25.1.1 All-cause mo	rtality following aorti	c valve inter	vention - adjusted								
Everett 2020	0.4233	0.3553	71	369	1.53 [0.76, 3.06]			+			
25.1.2 Adverse card	iac events after aort	ic valve inte	rvention - unadjusted								
Hwang 2020 (1)	0.4688	0.5287	0	0	1.60 [0.57, 4.50]	-		+			
					ŀ	0.1 0.2 0.5			5	10	
					·	Favours LVEF <50%	on CMR Favo	urs LVEF ≥50% on	CMR		

Footnotes

(1) Number in each group not reported

Figure 3: LVEF 30-49% compared to ≥50% on cardiac MRI in those undergoing TAVI for AS (>70% with symptoms at rest or marked limitation of physical activity and median aortic valve area on echocardiography 0.60 cm² in whole cohort, though unclear for those included in this analysis)

			,									
		LVEF	LVEF 30-49% on CMR LVEF ≥ 50% on CMR Hazard Ratio				Hazar	Hazard Ratio				
Study or Subgroup	log[Hazard Ratio]	SE	Total	Total	IV, Fixed, 95% CI			IV, Fixed	i, 95% CI			
26.1.1 All-cause mor	tality following TAVI	- unadjusted										
Lindsay 2016	0.174	0.275	65	108	1.19 [0.69, 2.04]				+	-		
							1	1		1		
						0.1	0.2	0.5	1	2 !	5	10
							Favours LVFF 30-4	9% on CMR	Favours L	VEF >50% on 0	MR	

Figure 4: LVEF <30% compared to ≥50% on cardiac MRI in those undergoing TAVI for AS (>70% with symptoms at rest or marked limitation of physical activity and median aortic valve area on echocardiography 0.60 cm² in whole cohort, though unclear for those included in this analysis)

		LV	EF <30% on CMR	LVEF ≥ 50% on CMR	Hazard Ratio			Hazar	d Ratio			
Study or Subgroup	log[Hazard Ratio]	SE	Total	Total	IV, Fixed, 95% CI			IV, Fixed	I, 95% CI			
27.1.1 All-cause mo	rtality following TAVI	- unadjuste	d									
Lindsay 2016	0.9322	0.3967	14	108	2.54 [1.17, 5.53]						_	
										1		
						0.1	0.2	0.5	i :	2 :	5	10
							Favours LVF	FE < 30% on CMR	Favours I	VEE >50% on	CMR	