

Base-case (ERGs revised base-case using lifetime mortality effects)

	Paroxysmal AF			Persistent AF	
	No SHD	CAD	LVD	No SHD	SHD
Dronedarone vs. standard therapy	£3,620	£4,014	£3,577	£3,358	£3,520
Dronedarone vs. sotalol	£1,692	£1,988	NA	£1,848	NA
Dronedarone vs. class 1c	£18,206	NA	NA	£18,955	NA
Dronedarone vs. amiodarone	NA	NA	£1,895	NA	£2,349

Scenario 1

Assuming no mortality effect for dronedarone (i.e. HR =1 vs placebo) and applying the mortality HR estimates from the ERG MTC for amiodarone, sotalol and class 1c.

Treatment vs. standard therapy	OR
Dronedarone	1.00
Amiodarone	1.30
Sotalol	1.87
Class 1c	1.03

Results

	Paroxysmal AF			Persistent AF	
	No SHD	CAD	LVD	No SHD	SHD
Dronedarone vs. standard therapy	£66,542	£60,323	£69,575	£56,798	£63,899
Dronedarone vs. sotalol	£2,588	£2,907	NA	£2,779	NA
Dronedarone vs. class 1c	£11,648	NA	NA	£12,760	NA
Dronedarone vs. amiodarone	NA	NA	£4,768	NA	£5,853

Scenario 2

A threshold analysis to identify the mortality HR for dronedarone which would be required to obtain an ICER of £20,000 and £30,000 per QALY. The mortality HR estimates for the comparators will be set to 1 for this analysis.

Treatment vs. standard therapy	OR
Dronedarone	Vary
Amiodarone	1.00
Sotalol	1.00
Class 1c	1.00

Results

Paroxysmal AF – No SHD

OR =	1.00	0.98	0.97	0.95	0.90	0.84 (MTC)
Dronedarone vs. standard therapy	£65,471	£33,411	£27,466	£19,415	£11,799	£8,100
Dronedarone vs. sotalol	£104,361	£35,478	£26,883	£17,762	£10,294	£6,864
Dronedarone vs. class 1c	£18,113	£13,162	£11,590	£9,323	£6,614	£4,920

Paroxysmal AF – CAD

OR =	1.00	0.98	0.97	0.95	0.90	0.84 (MTC)
Dronedarone vs. standard therapy	£70,120	£34,194	£28,185	£20,596	£12,347	£8,670
Dronedarone vs. sotalol	£83,897	£33,588	£25,374	£17,651	£10,062	£7,254

Paroxysmal AF – LVD

OR =	1.00	0.98	0.97	0.95	0.90	0.84 (MTC)
Dronedarone vs. standard therapy	£63,342	£33,270	£26,999	£19,242	£11,818	£8,039
Dronedarone vs. amiodarone	£60,978	£28,768	£23,092	£16,774	£10,037	£6,915

Persistent AF – No SHD

OR =	1.00	0.98	0.97	0.95	0.90	0.84 (MTC)
Dronedaronone vs. standard therapy	£55,330	£28,427	£22,900	£16,775	£10,324	£7,186
Dronedaronone vs. sotalol	£131,827	£39,332	£28,811	£18,908	£10,513	£7,267
Dronedaronone vs. class 1c	£19,815	£14,349	£12,566	£10,089	£6,960	£5,360

Persistent AF – SHD

OR =	1.00	0.98	0.97	0.95	0.90	0.84 (MTC)
Dronedaronone vs. standard therapy	£68,790	£31,189	£25,647	£17,579	£10,774	£7,502
Dronedaronone vs. amiodarone	£79,342	£35,302	£28,179	£20,689	£12,178	£8,437

Appendix: Scenario 2 results in standard tables

Dronedarone OR = 1.00

	Paroxysmal AF			Persistent AF	
	No SHD	CAD	LVD	No SHD	SHD
Dronedarone vs. standard therapy	£65,471	£70,120	£63,342	£55,330	£68,790
Dronedarone vs. sotalol	£104,361	£83,897	NA	£131,827	NA
Dronedarone vs. class 1c	£18,113	NA	NA	£19,815	NA
Dronedarone vs. amiodarone	NA	NA	£60,978	NA	£79,342

Dronedarone OR = 0.98

	Paroxysmal AF			Persistent AF	
	No SHD	CAD	LVD	No SHD	SHD
Dronedarone vs. standard therapy	£33,411	£34,194	£33,270	£28,427	£31,189
Dronedarone vs. sotalol	£35,478	£33,588	NA	£39,332	NA
Dronedarone vs. class 1c	£13,162	NA	NA	£14,349	NA
Dronedarone vs. amiodarone	NA	NA	£28,768	NA	£35,302

Dronedarone OR = 0.97

	Paroxysmal AF			Persistent AF	
	No SHD	CAD	LVD	No SHD	SHD
Dronedarone vs. standard therapy	£27,466	£28,185	£26,999	£22,900	£25,647
Dronedarone vs. sotalol	£26,883	£25,374	NA	£28,811	NA
Dronedarone vs. class 1c	£11,590	NA	NA	£12,566	NA

Dronedarone vs. amiodarone	NA	NA	£23,092	NA	£28,179
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Dronedarone OR = 0.95

	Paroxysmal AF			Persistent AF	
	No SHD	CAD	LVD	No SHD	SHD
Dronedarone vs. standard therapy	£19,415	£20,596	£19,242	£16,775	£17,579
Dronedarone vs. sotalol	£17,762	£17,651	NA	£18,908	NA
Dronedarone vs. class 1c	£9,323	NA	NA	£10,089	NA
Dronedarone vs. amiodarone	NA	NA	£16,774	NA	£20,689

Dronedarone OR = 0.90

	Paroxysmal AF			Persistent AF	
	No SHD	CAD	LVD	No SHD	SHD
Dronedarone vs. standard therapy	£11,799	£12,347	£11,818	£10,324	£10,774
Dronedarone vs. sotalol	£10,294	£10,062	NA	£10,513	NA
Dronedarone vs. class 1c	£6,614	NA	NA	£6,960	NA
Dronedarone vs. amiodarone	NA	NA	£10,037	NA	£12,178

Dronedarone OR = 0.84 (ERG MTC)

	Paroxysmal AF			Persistent AF	
	No SHD	CAD	LVD	No SHD	SHD
Dronedarone vs. standard therapy	£8,100	£8,670	£8,039	£7,186	£7,502
Dronedarone vs. sotalol	£6,864	£7,254	NA	£7,267	NA
Dronedarone vs. class 1c	£4,920	NA	NA	£5,360	NA
Dronedarone vs. amiodarone	NA	NA	£6,915	NA	£8,437