## BIODESIGN The Process of Innovating Medical Technologies

## Appendix 2.2.2 Gap Analysis Matrix for AF

		Return to Sinus Rhythm/ Relief of Symptoms	Reduction in Recurrence of AF	Improvement in Cardiac Performance	Reduction in Strokes and Associated Mortality	Limited Side Effects	Minimally Invasive	Non- Invasive	Convenient for the Patient	Econ- omics
Rhythm Control	Electrical Cardioversion	++	_	+	+/_	+	+	1	_	+
	Pharmacological Cardioversion	++	_	+	+/_	1	+	++	_	_
	Catheter Ablation	++	+	+	+	_	+	_		_
	Cox-Maze Surgery	+	+	+	+					
	Implantable Defibrillators	+	_	+			_			
Rate Control	Pharmacological Rate Control	1		+		_	+	+	+	+
	Catheter Ablation of the AV Node	1		+		_	+	1	_	
Thromboembolic Risk	Pharmacological Therapy				++			++	_	+

## Legend:

- + shows a positive effect
- shows a negative effect

A blank shows a neutral effect