

Supplementary Material

Efficacy and safety of leadless pacemakers for atrioventricular synchronous pacing: a systematic review and meta-analysis

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1 Supplementary Method S1. Data Sources and Search strategies

Example of a search strategy run in Pubmed

#1

TS=((leadless[Title/Abstract]) OR (wireless[Title/Abstract])) OR
(Micra[Title/Abstract])

#2

TS=((synchron*[Title/Abstract]) OR (atrioventricular[Title/Abstract])) OR
(AV[Title/Abstract])

#3

TS=((pacemaker[Title/Abstract]) OR (pacing[Title/Abstract])) OR (artificial
pacemaker[MeSH Terms])

#4

TS= #1 AND #2 AND #3

#5

TS= ("1948/01/01"[Date - Publication] : "2022/09/12"[Date - Publication])

#6

TS= #4 AND #5

2 Supplementary Table S1. The quality assessment of included studies using the National Institutes of Health (NIH) quality assessment tool for before–after (pre-post) study with no control group. (References [6–10,14–16] in reference list of the main text)

Study	Year	1	2	3	4	5	6	7	8	9	10	11	12	Quality
MARVEL [6]	2018	Y	Y	Y	NR	Y	Y	Y	CD	Y	Y	NR	NA	Good
Steinwender et al [7]	2020	Y	Y	Y	CD	CD	Y	Y	NR	Y	Y	NR	NA	Good
Arps et al [14]	2021	Y	Y	Y	NR	NR	Y	Y	NR	NR	Y	NR	NA	Fair
Briongos et al [8]	2022	Y	Y	Y	NR	NR	Y	Y	Y	Y	Y	Y	NA	Good
Chinitz et al [15]	2022	Y	Y	Y	CD	Y	Y	Y	CD	Y	Y	Y	NA	Good
Kowlgi et al [9]	2022	Y	CD	Y	NR	CD	Y	Y	NR	Y	Y	Y	NA	Fair
Mechulan et al [16]	2022	Y	Y	CD	Y	CD	Y	NR	Y	Y	NR	Y	NA	Fair
Neugebauer et al [10]	2022	Y	Y	Y	Y	CD	Y	Y	CD	Y	Y	Y	NA	Good

Abbreviations: CD, cannot determine; NA, not applicable; NR, not reported

3 Supplementary Figure S1. The sensitivity analysis of studies included for atrioventricular synchrony. (References [6–10,14–16] in reference list of the main text)

