Table S1. Search Strategy.

Mesh Terms	Database	Combination	Search strategy
	Embase (Elsevier)		Search strategy 1: ('heart rate variability'/exp OR 'heart rate variability' OR (('heart'/exp OR heart) AND rate AND ('variability'/exp OR variability))) AND ('exercise'/exp OR exercise) AND ('obesity'/exp OR obesity) AND ('child'/exp OR child OR 'children'/exp OR children OR 'adolescent'/exp OR adolescent OR 'adolescents'/exp OR adolescents);
		Heart Rate Variability AND	Search strategy 2: heart AND rate AND variability AND exercise AND (pediatric AND obesity OR childhood) AND obesity
	Ovid	Exercise AND Obesity AND (Child OR Children OR	Search strategy 1- (Heart Rate Variability and Exercise and Obesity and (Child or Children or Adolescent or Adolescents)).mp. [mp=title, abstract, full text, caption text]
			Search strategy 2- (Heart Rate Variability and Exercise and (Pediatric Obesity or Childhood Obesity)).mp. [mp=title, abstract, full text, caption text]
	Medline Complete (EBSCO)	Adolescent OR Adolescents); Heart Rate Variability AND	Search strategy 1- Heart Rate Variability AND Exercise AND Obesity AND (Child OR Children OR Adolescent OR Adolescents)
			Search strategy 2- Heart Rate Variability AND Exercise AND (Pediatric Obesity OR Childhood Obesity)
	Scopus (Elsevier)	Exercise AND (Pediatric Obesity OR Childhood	Search strategy 1- TITLE-ABS-KEY (heart AND rate AND variability AND exercise AND obesity AND (child OR children OR adolescent OR adolescents))
			Search strategy 2- TITLE-ABS-KEY (heart AND rate AND variability AND exercise AND (pediatric AND obesity OR childhood AND obesity))
Heart Rate Variability	PubMed	Obesity)	Search strategy 1: (("heart rate"[MeSH Terms] OR ("heart"[All Fields] AND "rate"[All Fields]) OR "heart rate"[All Fields]) AND Variability[All Fields]) AND ("exercise"[MeSH Terms] OR "exercise"[All Fields]) AND ("obesity"[MeSH Terms] OR "obesity"[All Fields]) AND (("child"[MeSH Terms] OR "child"[All Fields]) OR ("child"[MeSH Terms] OR "child"[All Fields]

; Exercise; Obesity; Child; Children; Adolescent; Adolescents; Pediatric Obesity; Childhood Obesity.		OR "children"[All Fields]) OR ("adolescent"[MeSH Terms] OR "adolescent"[All Fields]) OR ("adolescent"[MeSH Terms] OR "adolescent"[All Fields] OR "adolescents"[All Fields])) Search strategy 2: (("heart rate"[MeSH Terms] OR ("heart"[All Fields] AND "rate"[All Fields]) OR "heart rate"[All Fields]) AND Variability[All Fields]) AND ("exercise"[MeSH Terms] OR "exercise"[All Fields]) AND (("pediatric obesity"[MeSH Terms] OR ("pediatric"[All Fields] AND "obesity"[All Fields]) OR "pediatric obesity"[All Fields]) OR ("pediatric obesity"[MeSH Terms] OR ("pediatric"[All Fields] AND "obesity"[All Fields]) OR "pediatric obesity"[All Fields] OR ("childhood"[All Fields] AND "obesity"[All Fields]) OR "childhood obesity"[All Fields])).
	BVS	Search strategy 1: Heart Rate Variability AND Exercise AND Obesity AND (Child OR Children OR Adolescent OR Adolescents); Search strategy 2: heart rate variability AND exercise AND (pediatric obesity OR childhood obesity)
	Cochrane Library	Search strategy 1: Heart Rate Variability AND Exercise AND Obesity AND (Child OR Children OR Adolescent OR Adolescents) in Title Abstract Keyword - (Word variations have been searched); Search strategy 2: Heart Rate Variability AND Exercise AND (Pediatric Obesity OR Childhood Obesity) in Title Abstract Keyword - (Word variations have been searched).
	WOS	Search strategy 1: (Heart Rate Variability AND Exercise AND Obesity AND (Child OR Children OR Adolescent OR Adolescents)). Allotted time: Every year. Indices: SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI; Search strategy 2:(Heart Rate Variability AND Exercise AND (Pediatric Obesity OR Childhood Obesity)). Allotted time: Every year. Indices: SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI.

Legend: BVS: Virtual Health Library; WOS: Web of Science; MeSH: Medical Subject Headings; SCI-EXPANDED: Science Citation Index Expanded; SSCI: Social Sciences Citation Index; A&HCI: Arts & Humanities Citation Index; CPCI-S: Conference Proceedings Citation Index - Science; CPCI-SSH: Conference Proceedings Citation Index - Social Sciences & Humanities; ESCI: Emerging Sources Citation Index.