Appendix 1. Search strategies used in international databases

The search strategy used in the PubMed database - Searched at October 20, 2023

	Search query	Items found
#1	Sleep apnea [Title/Abstract] OR sleep apnoea [Title/Abstract]	47,399
#2	neural network [Title/Abstract] OR deep artificial neural network [Title/Abstract] OR deep learning [Title/Abstract] OR convolutional neural network [Title/Abstract] OR recurrent neural network [Title/Abstract] OR reinforcement neural network [Title/Abstract]	106,797
#3	#1 AND #2	420
#4	Time restriction	151

The search strategy used in the Scopus database - Searched at October 20, 2023

	Search query	Items found
#1	TITLE-ABS-KEY (Sleep apnea) OR TITLE-ABS-KEY (sleep apnoea)	76,271
#2	TITLE-ABS-KEY (neural network) OR TITLE-ABS-KEY (deep artificial neural network) OR TITLE-ABS-KEY (deep learning) OR TITLE-ABS-KEY (convolutional neural network) OR TITLE-ABS-KEY (recurrent neural network) OR TITLE-ABS-KEY (reinforcement neural network)	1,063,978
#3	#1 AND #2	870
#4	Time restriction	524

The search strategy used in the Web of Science database - Searched at October 20, 2023

	Search query	Items found
#1	(TS=(Sleep apnea)) OR TS=(sleep apnoea)	53,108
#2	(((((TS=(neural network)) OR TS=(deep artificial neural network)) OR TS=(deep learning)) OR TS=(convolutional neural network)) OR TS=(recurrent neural network)) OR TS=(reinforcement neural network)	698,125
#3	#1 AND #2	820
#4	Time restriction	317