

## Appendix 1 Detail of Search Strategy

Ovid MEDLINE(R) ALL &lt;1946 to October 18, 2022&gt;

#	Searches	Results	Type
1	exp Lung Diseases, Interstitial/	82,717	Advanced
2	Frailty/	7,578	Advanced
3	exp Muscular Atrophy/	20,188	Advanced
4	(Skeletal muscle* adj2 dysfunction*).mp.	958	Advanced
5	cognition disorders/ or exp cognitive dysfunction/	97,511	Advanced
6	sleep/ or sleep quality/	65,171	Advanced
7	exp Sleep Wake Disorders/	105,081	Advanced
8	exp Anxiety Disorders/	87,997	Advanced
9	exp Depressive Disorder/	119,380	Advanced
10	exp Anxiety/	106,079	Advanced
11	Depression/	144,504	Advanced
12	or/2-11	624,776	Advanced
13	1 and 12	362	Advanced
14	animals/ not (animals/ and humans/)	5,023,103	Advanced
15	13 not 14	360	Advanced
16	limit 15 to (English or Japanese)	307	Advanced

#	Query	Limiters/expanders	Last Run Via	Results
S1	(MH "Lung Diseases, Interstitial+")	Expanders: Apply equivalent subjects Search modes: Boolean/Phrase	Interface: EBSCOhost Research Databases Search Screen: Advanced Search Database: CINAHL Ultimate	9,033
S2	(MH "Frailty Syndrome")	Expanders: Apply equivalent subjects Search modes: Boolean/Phrase	Interface: EBSCOhost Research Databases Search Screen: Advanced Search Database: CINAHL Ultimate	3,782
S3	(MH "Muscular Atrophy+")	Expanders: Apply equivalent subjects Search modes: Boolean/Phrase	Interface: EBSCOhost Research Databases Search Screen: Advanced Search Database: CINAHL Ultimate	7,071
S4	TI Skeletal muscle* N2 dysfunction* OR AB Skeletal muscle* N2 dysfunction*	Expanders: Apply equivalent subjects Search modes: Boolean/Phrase	Interface: EBSCOhost Research Databases Search Screen: Advanced Search Database: CINAHL Ultimate	210
S5	(MH "Cognition Disorders+")	Expanders: Apply equivalent subjects Search modes: Boolean/Phrase	Interface: EBSCOhost Research Databases Search Screen: Advanced Search Database: CINAHL Ultimate	36,248
S6	(MH "Sleep Quality")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface: EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Ultimate	588
S7	(MH "Sleep Disorders+")	Expanders: Apply equivalent subjects Search modes: Boolean/Phrase	Interface: EBSCOhost Research Databases Search Screen: Advanced Search Database: CINAHL Ultimate	45,201
S8	(MH "Affective Symptoms+")	Expanders: Apply equivalent subjects Search modes: Boolean/Phrase	Interface: EBSCOhost Research Databases Search Screen: Advanced Search Database: CINAHL Ultimate	167,690
S9	(MH "Anxiety Disorders+")	Expanders: Apply equivalent subjects Search modes: Boolean/Phrase	Interface: EBSCOhost Research Databases Search Screen: Advanced Search Database: CINAHL Ultimate	51,498
S10	(MH "Depression+")	Expanders: Apply equivalent subjects Search modes: Boolean/Phrase	Interface: EBSCOhost Research Databases Search Screen: Advanced Search Database: CINAHL Ultimate	133,016
S11	S2 OR S3 OR S4 OR S5 OR S6 OR S7 OR S8 OR S9 OR S10	Expanders: Apply equivalent subjects Search modes: Boolean/Phrase	Interface: EBSCOhost Research Databases Search Screen: Advanced Search Database: CINAHL Ultimate	289,267
S12	S1 AND S11	Expanders: Apply equivalent subjects Search modes: Boolean/Phrase	Interface: EBSCOhost Research Databases Search Screen: Advanced Search Database: CINAHL Ultimate	103
S13	S1 AND S11	Expanders: Apply equivalent subjects Narrow by Language: English Search modes: Boolean/Phrase	Interface: EBSCOhost Research Databases Search Screen: Advanced Search Database: CINAHL Ultimate	102