**Supplementary material**

**Search strategies**

**Table 1: Search strategies CINAHL**

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| Search name: Light and Vitamin D therapy for SAD\_Ethics |
| Date of search: 13.02.2019 |
| ID | Search |
| #1 | (MH "Seasonal Affective Disorder"+)  |
| #2 | TX "Seasonal Affective Disorder\*" |
| #3 | TX (season\* OR winter\*) N (disorder\* OR depress\* OR blues) |
| #4 | TI SAD |
| #5 | AB SAD |
| #6 | (MH "Depression+") |
| #7 | TX depress\* |
| #8 | S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7 |
| #9 | (MH "Phototherapy+") |
| #10 | (MH "Vitamin D+/TU) |
| #11 | TX Vitamin D3 |
| #12 | TX Vitamin D 3 |
| #13 | TX Vitamin D\* |
| #14 | (MH "Light+/TU") |
| #15 | 13 and 14 (22647) |
| #16 | TX (light\* OR photo\* OR vitamin d\* OR vitamind\* OR cholecalciferol) N (therap\* OR treat\* OR program\* OR regimen\*) |
| #17 | S9 OR S10 OR S11 OR S12 OR S13 OR S14 OR S15 |
| #18 | S8 AND S16 |
| #19 | (MH "Morals+") |
| #20 | TX ethic\* |
| #21 | TX moral\* |
| #22 | (MH "Patient Autonomy+") |
| #23 | TX Autonomy |
| #24 | TX independen\* |
| #25 | (MH "Substance Withdrawal Syndrome+") |
| #26 | TX withdrawal symptom\* |
| #27 | (MH "Self-Injurious Behavior+") |
| #28 | TX self-harm\* |
| #29 | TX Medicalization\* |
| #20 | TX Medicalisation\* |
| #31 | TX patient information |
| #32 | TX patient\* N inform\* |
| #33 | (MH "Fluoxetine+/LJ") |
| #34 | TX Prozac |
| #35 | TX (Prozac OR Fluoxetine) N defen\* |
| #36 | TX harm\* |
| #37 | S18 OR S19 OR S20 OR S21 OR S22 OR S23 OR S24 OR S25 OR S26 OR S27 OR S28 OR S29 OR S30 OR S31 OR S32 ORS33 OR S34 OR S35 |
| #38 | S17 AND S36 |
| Hits found: 27  |

**Table 2: Search strategies Scopus**

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| Search name: Light and Vitamin D therapy for SAD\_Ethics |
| Date of search: 14.02.2019 |
| Scopus search terms: | ( ( ( TITLE-ABS-KEY-AUTH ( "Seasonal Affective Disorder\*" ) ) OR ( TITLE-ABS-KEY-AUTH ( ( season\* W/3 ( disorder\* OR depress\* ) ) ) ) OR ( TITLE ( sad ) ) OR ( ABS ( sad ) ) OR ( TITLE-ABS-KEY-AUTH ( depress\* ) ) ) AND ( ( TITLE-ABS-KEY-AUTH ( phototherapy ) ) OR ( TITLE-ABS-KEY-AUTH ( "Vitamin D\*" ) ) OR ( TITLE-ABS-KEY-AUTH ( vitamind\* ) ) OR ( TITLE-ABS-KEY-AUTH ( "Light Therap\*" ) ) OR ( TITLE-ABS-KEY-AUTH ( ( light\* OR photo\* OR "vitamin d\*" OR vitamind\* OR cholecalciferol ) W/3 ( therap\* OR treat\* OR program\* OR regimen\* ) ) ) ) ) AND ( ( TITLE-ABS-KEY-AUTH ( moral\* ) ) OR ( TITLE-ABS-KEY-AUTH ( ethic\* ) ) OR ( TITLE-ABS-KEY-AUTH ( autonom\* ) ) OR ( TITLE-ABS-KEY-AUTH ( independen\* ) ) OR ( TITLE-ABS-KEY-AUTH ( "withdrawal symptom\*" ) ) OR ( TITLE-ABS-KEY-AUTH ( self-harm\* ) ) OR ( TITLE-ABS-KEY-AUTH ( medicalization ) ) OR ( TITLE-ABS-KEY-AUTH ( "patient information" ) ) OR ( TITLE-ABS-KEY-AUTH ( patient\* W/3 inform\* ) ) OR ( TITLE-ABS-KEY-AUTH ( fluoxetine ) ) OR ( TITLE-ABS-KEY-AUTH ( prozac ) ) OR ( TITLE-ABS-KEY-AUTH ( harm\* ) ) ) AND ( LIMIT-TO ( SUBJAREA , "MEDI" ) OR LIMIT-TO ( SUBJAREA , "PSYC" ) OR LIMIT-TO ( SUBJAREA , "SOCI" ) ) AND ( LIMIT-TO ( LANGUAGE , "English" ) OR LIMIT-TO ( LANGUAGE , "German" ) OR LIMIT-TO ( LANGUAGE , "Czech" ) ) AND ( LIMIT-TO ( EXACTKEYWORD , "Human" ) OR LIMIT-TO ( EXACTKEYWORD , "Humans" ) ) |
| Hits found: 615 |

**Table 3: Search strategies BELIT**

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| Search name: Light and Vitamin D therapy for SAD\_Ethics |
| Date of search: 12.02.2019 |
| BELIT search terms: | (Season\* OR Winter\* OR depress\* OR SAD OR blues) AND (Licht\* OR Light\* OR Vitamin\* OR Photo\* OR cholecalciferol) |
| Hits found: 35 |

**Table 4: Search strategies EthicsWeb**

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| Search name: Light and Vitamin D therapy for SAD\_Ethics |
| Date of search: 12.02.2019 |
| EthicsWeb search terms: | (Season\* OR Winter\* OR depress\* OR SAD OR blues) AND (Licht\* OR Light\* OR Vitamin\* OR Photo\* OR cholecalciferol) |
| Hits found: 61 |

**Table 5: Search strategies EthxWeb**

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| Search name: Light and Vitamin D therapy for SAD\_Ethics |
| Date of search: 12.02.2019 |
| EhtxWeb search terms: | (Season\* OR Winter\* OR depress\* OR SAD OR blues) AND (Licht\* OR Light\* OR Vitamin\* OR Photo\* OR cholecalciferol) |
| Hits found: 48 |

**Table 6: Search strategies PsychInfo**

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| Search name: Light and Vitamin D therapy for SAD\_Ethics |
| Date of search: 14.02.2019 |
| ID | Search |
| #1 | exp Seasonal Affective Disorder/ (1041) |
| #2 | ((season\* or winter\*) adj3 (disorder\* or depress\* or blues)).mp. (1726) |
| #3 | SAD.ti,ab. (8091) |
| #4 | exp "DEPRESSION (EMOTION)"/ (24766) |
| #5 | exp MAJOR DEPRESSION/ (121078) |
| #6 | depress\*.mp. (331949) |
| #7 | 1 or 2 or 3 or 4 or 5 or 6 (337731) |
| #8 | exp Phototherapy/ (907) |
| #9 | exp Vitamin Therapy/ (461) |
| #10 | Vitamin D\*.mp. (2555) |
| #11 | VitaminD\*.mp. (4) |
| #12 | exp Illumination/ (8644) |
| #13 | ((light\* or photo\* or vitamin d\* or vitamind\* or cholecalciferol) adj3 (therap\* or treat\* or program\* or regimen\*)).mp. (2820) |
| #14 | 8 or 9 or 10 or 11 or 12 or 13 (14082) |
| #15 | 7 and 14 (1752) |
| #16 | exp Morality/ (21160) |
| #17 | moral\*.mp. (63878) |
| #18 | exp ETHICS/ (42058) |
| #19 | ethic\*.mp. (79338) |
| #20 | exp AUTONOMY/ (8796) |
| #21 | autonom\*.mp. (56289) |
| #21 | independen\*.mp. (206978) |
| #22 | exp Drug Withdrawal/ (7639) |
| #23 | withdrawal symptom\*.mp. (3489) |
| #24 | exp Self-Injurious Behavior/ (5167) |
| #25 | self-harm\*.mp. (5636) |
| #26 | Medicali#ation\*.mp. (1606) |
| #27 | patient information.mp. (1124) |
| #28 | (patient\* adj inform\*).mp. (1646) |
| #29 | exp Fluoxetine/ (3679) |
| #30 | Prozac.mp. (311) |
| #31 | ((Prozac or Fluoxetine) adj5 defen\*).mp. (2) |
| #32 | harm\*.mp. (59286) |
| #33 | 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33 (445945) |
| #34 | 15 and 34 (145) |
| Hits found: 145 |

**Table 7: Search strategies MEDLINE**

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| Search name: Light and Vitamin D therapy for SAD\_Ethics |
| Date of search: 14.02.2019 |
| ID | Search |
| #1 | exp Seasonal Affective Disorder/ (1184) |
| #2 | (season\* adj3 (disorder\* or depress\*)).mp. (1877) |
| #3 | SAD.ti,ab. (7830) |
| #4 | exp Depression/ (106309) |
| #5 | exp Depressive Disorder/ (101810) |
| #6 | depress\*.mp. (460904) |
| #7 | 1 or 2 or 4 or 5 or 6 (461730) |
| #8 | exp Phototherapy/ (37656) |
| #9 | exp \*Vitamin D/tu, th [Therapeutic Use, Therapy] (5560) |
| #10 | Vitamin D\*.mp. (66288) |
| #11 | VitaminD\*.mp. (28) |
| #12 | exp Light/ (270883) |
| #13 | 10 or 11 or 12 (334306) |
| #14 | "Therapeutic Use".fs. (2100513) |
| #15 | 13 and 14 (22647) |
| #16 | ((light\* or photo\* or vitamin d\* or vitamind\* or cholecalciferol) adj3 (therap\* or treat\* or program\* or regimen\*)).mp. (46307) |
| #17 | 8 or 9 or 15 or 16 (80472) |
| #18 | 7 and 17 (1940) |
| #19 | exp Morals/ (160944) |
| #20 | ethic\*.mp. (182439) |
| #21 | moral\*.mp. (39878) |
| #22 | exp Personal Autonomy/ (16038) |
| #23 | autonom\*.mp. (151250) |
| #24 | independen\*.mp. (919974) |
| #25 | exp Substance Withdrawal Syndrome/ (22419) |
| #26 | withdrawal symptom\*.mp. (4623) |
| #27 | exp Self-Injurious Behavior/ (65522) |
| #28 | self-harm\*.mp. (4213) |
| #29 | exp Medicalization/ (314) |
| #20 | medicali#ation\*.mp. (1684) |
| #31 | patient information.mp. (6318) |
| #32 | (patient\* adj inform\*).mp. (8380) |
| #33 | exp Fluoxetine/ (8701) |
| #34 | Prozac.mp. (386) |
| #35 | 33 or 34 (8787) |
| #36 | Legislation & Jurisprudence.fs. (243293) |
| #37 | 35 and 36 (28) |
| #38 | ((Prozac or Fluoxetine) adj5 defen\*).mp. (4) |
| #39 | exp Patient Harm/ (123) |
| #40 | harm\*.mp. (130666) |
| #41 | 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 37 or 38 or 39 or 40 (1482846) |
| #42 | 18 and 41 (132) |
| #43 | remove duplicates from 42 (132) |
| Hits found: 132 |