

| Cinahl – hakuhistoria 4.10.2022 | | | | |
|--|---|---|---|----------------|
| # | Query | Limiters/Expanders | Last Run Via | Results |
| S15 | S3 AND S7 AND S14 | Limiters - Peer Reviewed; Exclude MEDLINE records Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 21 |
| S14 | S8 OR S9 OR S10 OR S11 OR S12 OR S13 | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 156,751 |
| S13 | room* N2 architect* | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 9 |
| S12 | (MH "Environment+") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 152,756 |
| S11 | (MH "Hospital Design and Construction") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search | 3,578 |

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|-----|--|--|--|---------|
| | | | Database - CINAHL | |
| S10 | room* N2 privat* | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 402 |
| S9 | room* N2 arrang* | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 27 |
| S8 | single* room* | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 735 |
| S7 | S4 OR S5 OR S6 | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 161,264 |
| S6 | "cardiac care" OR "critical care" OR "intensive care" OR "high-depend*" OR ccu OR icu OR hdu | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 158,169 |

| | | | | |
|----|---|--|---|---------|
| S5 | (MH "Critical Care Nursing+") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 28,952 |
| S4 | (MH "Critical Care+") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 31,952 |
| S3 | S1 OR S2 | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 15,040 |
| S2 | delirium OR "acute confusion" OR disorientation | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 13,555 |
| S1 | (MH "Confusion+") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 10,325 |
| # | Query | Limiters/Expanders | Last Run Via | Results |

| | | | | |
|-----|---------------------|---|--|---------|
| S29 | S18 AND S21 AND S25 | Limiters - Published Date: 20210101- 20221231; Peer Reviewed; Exclude MEDLINE records Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 142 |
| S28 | S18 AND S21 AND S25 | Limiters - Published Date: 20210101- 20221231; Peer Reviewed Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 196 |
| S27 | S18 AND S21 AND S25 | Limiters - Published Date: 20210101- 20221231 Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 218 |
| S26 | S18 AND S21 AND S25 | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 1,188 |
| S25 | S22 OR S23 OR S24 | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 161,179 |

| | | | | |
|-----|--|--|--|---------|
| S24 | "cardiac care" OR "critical care" OR "intensive care" OR "high-depend*" OR ccu OR icu OR hdu | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 158,085 |
| S23 | (MH "Critical Care Nursing+") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 28,950 |
| S22 | (MH "Critical Care+") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 31,951 |
| S21 | S19 OR S20 | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 15,034 |
| S20 | delirium OR "acute confusion" OR disorientation | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 13,549 |
| S19 | (MH "Confusion+") | Expanders - Apply equivalent subjects | Interface - EBSCOhost | 10,324 |

| | | | | |
|-----|---|--|--|-----------|
| | | Search modes - Boolean/Phrase | Research Databases Search Screen - Advanced Search Database - CINAHL | |
| S18 | S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13 OR S14 OR S15 OR S16 OR S17 | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 1,661,637 |
| S17 | ("non-pharmacologic*" OR nonpharmacologic* OR nondrug OR "non-drug" OR "circadian light" OR daylight OR "bright light" OR sleep* OR noise) OR ("early mobility" OR "physical therapy" OR mobili?ation OR "cognitive activation" OR "sensory impairment" OR earplug* OR "hearing aid*" OR "visual aid*" OR hydration OR nutrition OR clock* OR reorientation OR education OR family OR spouse OR "next of kin") OR (pain N2 manage* OR pain N2 assess* OR pain N2 free OR pain N2 control*) OR (pain N2 relief*)) | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 1,427,876 |
| S16 | (MH "Pain Management") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 12,108 |
| S15 | (MH "Pain Measurement") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search | 51,847 |

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|-----|----------------------------|--|--|---------|
| | | | Database - CINAHL | |
| S14 | (MH "Family+") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 261,595 |
| S13 | (MH "Education, Medical+") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 42,244 |
| S12 | (MH "Education, Nursing+") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 80,433 |
| S11 | (MH "Patient Education+") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 82,426 |
| S10 | (MH "Nutritional Status") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 17,743 |

| | | | | |
|----|-------------------------------|--|---|---------|
| S9 | (MH "Hearing Aids+") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 20,744 |
| S8 | (MH "Ear Protective Devices") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 1,160 |
| S7 | (MH "Physical Therapy+") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 158,802 |
| S6 | (MH "Early Ambulation") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 1,513 |
| S5 | (MH "Noise") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 8,487 |
| S4 | (MH "Sleep+") | Expanders - Apply equivalent subjects | Interface - EBSCOhost | 31,496 |

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|----|--------------------------------|--|--|-------|
| | | Search modes - Boolean/Phrase | Research Databases Search Screen - Advanced Search Database - CINAHL | |
| S3 | (MH "Biological Clocks") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 634 |
| S2 | (MH "Circadian Rhythm") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 7,654 |
| S1 | (MH "Prescriptions, Non-Drug") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL | 1,212 |

Medic 4.10.22

sekav* delirium* AND tehohoi* 16 kpl

sekav* delirium* AND tehohoi* 2021 - 2022 1 kpl

Database: EBM Reviews - Cochrane Central Register of Controlled Trials <August 2022>, EBM Reviews
- Cochrane Database of Systematic Reviews <2005 to September 28, 2022>

Search Strategy:

- 1 non-pharmacologic*.mp. (5527)
- 2 nonpharmacologic*.mp. (1983)
- 3 nondrug*.mp. (207)
- 4 non* drug*.mp. (1574)
- 5 circadian light.mp. (17)
- 6 daylight.mp. (325)
- 7 bright light.mp. (894)
- 8 sleep*.mp. (49923)
- 9 exp Sleep/ (6492)
- 10 noise.mp. (5132)
- 11 exp Noise/ (456)
- 12 early mobility.mp. (92)
- 13 physical therapy.mp. (12051)
- 14 mobilization.mp. (8696)
- 15 mobilisation.mp. (2013)
- 16 cognitive activation.mp. (53)
- 17 sensory impairment.mp. (200)
- 18 earplug*.mp. (201)
- 19 hearing aid*.mp. (1067)
- 20 visual aid*.mp. (336)
- 21 hydration.mp. (4396)
- 22 nutrition.mp. (31356)
- 23 clock*.mp. (2149)

- 24 reorientation.mp. (138)
- 25 education.mp. (86775)
- 26 exp Education/ (35780)
- 27 famil*.mp. (59765)
- 28 exp Family/ (10757)
- 29 spouse.mp. (1744)
- 30 exp Spouses/ (398)
- 31 next of kin.mp. (327)
- 32 (pain adj2 manage*).mp. (15021)
- 33 exp Pain Management/ (4301)
- 34 (pain adj2 assess*).mp. (26220)
- 35 (pain adj2 free).mp. (3128)
- 36 (pain adj2 control*).mp. (15061)
- 37 (pain adj2 relief*).mp. (19671)
- 38 exp Biological Clocks/ (104)
- 39 exp Circadian Rhythm/ (3124)
- 40 exp Early Ambulation/ (395)
- 41 exp Physical Therapy Modalities/ (29507)
- 42 exp Ear Protective Devices/ (92)
- 43 exp Hearing Aids/ (472)
- 44 exp Nutritional Status/ (2753)
- 45 exp Education, Medical/ (3590)
- 46 exp Education, Nursing/ (986)
- 47 exp Patient Education as Topic/ (9215)
- 48 exp Pain Measurement/ (22801)

- 49 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 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 or 34 or 35 or 36 or 37 or 38 or
39 or 40 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48 (336068)
- 50 exp Confusion/ (1142)
- 51 delirium.mp. (4955)
- 52 exp Delirium/ (1005)
- 53 acute confusion.mp. (45)
- 54 disorientation.mp. (538)
- 55 50 or 51 or 52 or 53 or 54 (5560)
- 56 exp Critical Care/ (2221)
- 57 critical care.mp. (5161)
- 58 exp Critical Care Nursing/ (51)
- 59 cardiac care.mp. (322)
- 60 intensive care.mp. (30874)
- 61 high depend*.mp. (373)
- 62 ccu.mp. (387)
- 63 icu.mp. (17058)
- 64 hdu.mp. (154)
- 65 56 or 57 or 58 or 59 or 60 or 61 or 62 or 63 or 64 (40461)
- 66 49 and 55 and 65 (629)
- 67 limit 66 to yr="2021 - 2022" (116)

Database: EBM Reviews - Cochrane Central Register of Controlled Trials <August 2022>, EBM Reviews
- Cochrane Database of Systematic Reviews <2005 to September 28, 2022>

Search Strategy:

- 1 exp Confusion/ (1142)
- 2 delirium.mp. (4955)
- 3 acute confusion.mp. (45)
- 4 disorientation.mp. (538)
- 5 exp Critical Care/ (2221)
- 6 exp Critical Care Nursing/ (51)
- 7 cardiac care.mp. (322)
- 8 critical care.mp. (5161)
- 9 intensive care.mp. (30874)
- 10 high depend*.mp. (373)
- 11 ccu.mp. (387)
- 12 icu.mp. (17058)
- 13 hdu.mp. (154)
- 14 single* room*.mp. (53)
- 15 (room* adj2 arrang*).mp. [mp=ti, ot, ab, fx, sh, hw, kw, tx, ct] (5)
- 16 (room* adj2 privat*).mp. [mp=ti, ot, ab, fx, sh, hw, kw, tx, ct] (252)
- 17 (room* adj2 architect*).mp. [mp=ti, ot, ab, fx, sh, hw, kw, tx, ct] (1)
- 18 exp Environment/ (14559)
- 19 (Hospital Design and Construction).mp. [mp=ti, ot, ab, fx, sh, hw, kw, tx, ct] (16)
- 20 1 or 2 or 3 or 4 (5560)
- 21 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 (40461)
- 22 14 or 15 or 16 or 17 or 18 or 19 (14878)
- 23 20 and 21 and 22 (8)

Database: Ovid MEDLINE(R) ALL <1946 to October 03, 2022>

Search Strategy:

- 1 exp Confusion/ (16583)
- 2 delirium.mp. (22383)
- 3 acute confusion.mp. (420)
- 4 disorientation.mp. (4080)
- 5 exp Critical Care/ (65009)
- 6 exp Critical Care Nursing/ (2581)
- 7 cardiac care.mp. (3739)
- 8 critical care.mp. (85105)
- 9 intensive care.mp. (215995)
- 10 high depend*.mp. (2396)
- 11 ccu.mp. (1963)
- 12 icu.mp. (77409)
- 13 hdu.mp. (441)
- 14 single* room*.mp. (712)
- 15 (room* adj2 arrang*).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (52)
- 16 (room* adj2 privat*).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (575)

- 17 (room* adj2 architect*).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (29)
- 18 exp Environment/ (1468698)
- 19 (Hospital Design and Construction).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (10007)
- 20 1 or 2 or 3 or 4 (30593)
- 21 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 (283276)
- 22 14 or 15 or 16 or 17 or 18 or 19 (1478533)
- 23 20 and 21 and 22 (89)

Database: Ovid MEDLINE(R) ALL <1946 to October 03, 2022>

Search Strategy:

-
- 1 non-pharmacologic*.mp. (13281)
- 2 nonpharmacologic*.mp. (9965)
- 3 nondrug*.mp. (1428)
- 4 non* drug*.mp. (13214)
- 5 circadian light.mp. (116)
- 6 daylight.mp. (4392)
- 7 bright light.mp. (2945)
- 8 sleep*.mp. (245620)
- 9 exp Sleep/ (93776)
- 10 noise.mp. (171807)

- 11 exp Noise/ (26566)
- 12 early mobility.mp. (411)
- 13 physical therapy.mp. (57406)
- 14 mobilization.mp. (60623)
- 15 mobilisation.mp. (7022)
- 16 cognitive activation.mp. (275)
- 17 sensory impairment.mp. (1894)
- 18 earplug*.mp. (596)
- 19 hearing aid*.mp. (13643)
- 20 visual aid*.mp. (1676)
- 21 hydration.mp. (41667)
- 22 nutrition.mp. (266594)
- 23 clock*.mp. (48468)
- 24 reorientation.mp. (7802)
- 25 education.mp. (1021518)
- 26 exp Education/ (883849)
- 27 famil*.mp. (1446182)
- 28 exp Family/ (358208)
- 29 spouse.mp. (17585)
- 30 exp Spouses/ (11354)
- 31 next of kin.mp. (1685)
- 32 pain management.mp. (62293)
- 33 exp Pain Management/ (39795)
- 34 pain assess*.mp. (7995)
- 35 painfree.mp. (377)
- 36 pain control*.mp. (16326)

- 37 pain relief.mp. (35914)
- 38 exp Biological Clocks/ (15352)
- 39 exp Circadian Rhythm/ (75925)
- 40 exp Early Ambulation/ (3179)
- 41 exp Physical Therapy Modalities/ (173664)
- 42 exp Ear Protective Devices/ (1466)
- 43 exp Hearing Aids/ (21066)
- 44 exp Nutritional Status/ (52114)
- 45 exp Education, Medical/ (181394)
- 46 exp Education, Nursing/ (88210)
- 47 exp Patient Education as Topic/ (88461)
- 48 exp Pain Measurement/ (93755)
- 49 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 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 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48 (3928804)
- 50 exp Confusion/ (16583)
- 51 delirium.mp. (22383)
- 52 exp Delirium/ (11909)
- 53 acute confusion.mp. (420)
- 54 disorientation.mp. (4080)
- 55 50 or 51 or 52 or 53 or 54 (30593)
- 56 exp Critical Care/ (65009)
- 57 critical care.mp. (85105)
- 58 exp Critical Care Nursing/ (2581)
- 59 cardiac care.mp. (3739)
- 60 intensive care.mp. (215995)
- 61 high depend*.mp. (2396)

- 62 ccu.mp. (1963)
- 63 icu.mp. (77409)
- 64 hdu.mp. (441)
- 65 56 or 57 or 58 or 59 or 60 or 61 or 62 or 63 or 64 (283276)
- 66 49 and 55 and 65 (1441)
- 67 limit 66 to yr="2021 - 2022" (348)

Database: APA PsycInfo <1806 to September Week 4 2022>

Search Strategy:

- 1 single* room*.mp. (201)
- 2 (room* adj2 arrang*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word] (43)
- 3 (room* adj2 privat*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word] (235)
- 4 (room* adj2 architecture).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word] (2)
- 5 exp Environment/ (226774)
- 6 exp "Hospital Design and Construction"/ (0)
- 7 (Hospital Design and Construction).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word] (140)
- 8 1 or 2 or 3 or 4 or 5 or 6 or 7 (227209)
- 9 exp Confusion/ (1233)
- 10 acute confusion.mp. (132)
- 11 exp Delirium/ (3878)
- 12 delirium.mp. (8244)

- 13 disorientation.mp. (2685)
- 14 9 or 10 or 11 or 12 or 13 (11831)
- 15 exp Critical Care/ (0)
- 16 Critical Care.mp. (3512)
- 17 exp Critical Care Nursing/ (0)
- 18 cardiac care.mp. (206)
- 19 intensive care.mp. (11621)
- 20 high depend*.mp. (386)
- 21 ccu.mp. (119)
- 22 icu.mp. (2989)
- 23 hdu.mp. (17)
- 24 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 (14169)
- 25 8 and 14 and 24 (12)
- 26 limit 25 to peer reviewed journal (8)

1.

Altered mental status in patients hospitalized with COVID-19: Perspectives from neurologic and psychiatric consultants. [References].

Talmasov, Daniel; Kelly, Sean M; Lewis, Ariane; Taylor, Adrienne D; Gurin, Lindsey.

Harvard Review of Psychiatry. Vol.29(6), 2021, pp. 422-430.

[Journal; Peer Reviewed Journal] [Journal Article]

AN: 2022-05406-006

Presents a case report of 62-year-old man with a past medical history of asthma and opioid use disorder on methadone developed respiratory symptoms in mid-March, which progressed to subacute respiratory failure by early April. He was diagnosed with COVID-19 by nasopharyngeal RT-PCR and admitted to an

academic New York City hospital. The patient was intubated for hypoxemia, sedated with propofol and fentanyl, and admitted to the medical intensive care unit (MICU). The COVID-19 pandemic offers an opportunity to examine the ways in which neurologists and psychiatrists can contribute, collaborate, and be differentially utilized in the care of patients with various presentations of encephalopathy. Moving forward, clinicians familiar with the short- and long-term neurobiological and psychological impact of COVID-19 on patients and on those caring for them will be essential as we confront subsequent waves of the disease. (PsycInfo Database Record (c) 2021 APA, all rights reserved)

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Taylor, Adrienne D.: Harvard Medical School, Boston, MA, US

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NLM Title Abbreviation

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PMID

33965986

Key Concepts

altered mental status, COVID-19, delirium, SARS-CoV-2, toxic-metabolic encephalopathy

Subject Headings

*Delirium *Hospitalized Patients

*Psychiatric Hospitalization

*Mental Status

*COVID-19

Respiratory Distress

Toxic Encephalopathies

Urban Environments.

APA PsycInfo Classification Code

Physical & Somatoform & Psychogenic Disorders [3290].

Population Group

Human Male. Adulthood (18 yrs & older)

Middle Age (40-64 yrs)

Methodology

Clinical Case Study

Copyright

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YEAR: 2021

Update Code

20211202 (PsycINFO)

Database: APA PsycInfo <1806 to September Week 4 2022>

Search Strategy:

-
- 1 exp Delirium/ (3878)
 - 2 delirium.mp. (8244)
 - 3 acute confusion.mp. (132)
 - 4 disorientation.mp. (2685)
 - 5 1 or 2 or 3 or 4 (10829)
 - 6 cardiac care.mp. (206)
 - 7 critical care.mp. (3512)
 - 8 exp Intensive Care/ (6682)
 - 9 Intensive Care.mp. (11621)
 - 10 high-depend*.mp. (386)

- 11 ccu.mp. (119)
- 12 icu.mp. (2989)
- 13 hdu.mp. (17)
- 14 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 (14169)
- 15 non-pharmacologic*.mp. (3490)
- 16 nonpharmacologic*.mp. (3071)
- 17 nondrug.mp. (906)
- 18 non* drug.mp. (1956)
- 19 circadian light.mp. (43)
- 20 daylight.mp. (1183)
- 21 bright light.mp. (1471)
- 22 sleep*.mp. (96279)
- 23 exp Sleep/ (41110)
- 24 noise.mp. (31754)
- 25 early mobility.mp. (44)
- 26 physical therapy.mp. (6641)
- 27 exp Physical Therapy/ (3385)
- 28 mobili?ation.mp. (6480)
- 29 cognitive activation.mp. (359)
- 30 sensory impairment.mp. (669)
- 31 earplug*.mp. (153)
- 32 exp Hearing Aids/ (4899)
- 33 hearing aid*.mp. (3865)
- 34 visual aid*.mp. (855)
- 35 hydration.mp. (987)
- 36 exp Nutrition/ (67774)

- 37 nutrition.mp. (26978)
- 38 clock*.mp. (12407)
- 39 reorientation.mp. (1679)
- 40 exp Education/ (472402)
- 41 education.mp. (552682)
- 42 family.mp. (392021)
- 43 exp Family/ (331585)
- 44 spouse.mp. (15715)
- 45 exp Spouses/ (16685)
- 46 next of kin.mp. (527)
- 47 (pain adj2 manage*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word] (16703)
- 48 (pain adj2 assess*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word] (5406)
- 49 (pain adj2 free).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word] (1425)
- 50 (pain adj2 control*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word] (4052)
- 51 (pain adj2 relief*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word] (4097)
- 52 15 or 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 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48 or 49 or 50 or 51 (1401349)
- 53 5 and 14 and 52 (246)
- 54 limit 53 to (peer reviewed journal and yr="2020 -Current") (46)

Comparative effectiveness of non-pharmacological interventions for preventing delirium in critically ill adults: A systematic review and network meta-analysis. [References].

Chen, Ting-Jhen; Traynor, Victoria; Wang, An-Yi; Shih, Chun-Ying; Tu, Meng-Chun; Chuang, Chao-Hsuan; Chiu, Hsiao-Yean; Chang, Hui-Chen Rita.

International Journal of Nursing Studies. Vol.131 2022, pp. 1-10. ArtID 104239.

[Journal; Peer Reviewed Journal] [Journal Article]

AN: 2022-72122-001

Background: Delirium presents a serious health problem in critically ill patients in intensive care units. However, knowledge regarding the selections of the optimal non-pharmacological interventions remains unclear. Objectives: To compare the effects of non-pharmacological interventions by combining direct and indirect evidence on the incidence and duration of delirium in intensive care units. Design: A systematic review and network meta-analysis. Data sources: A comprehensive search of five electronic databases, including PubMed, EMBASE, CINAHL, Cochrane CENTRAL, and ProQuest Dissertations and Theses A&I were conducted. Only randomized control trials published from the inception to December 28, 2021 were included. Review methods: Two reviewers independently screened the title and abstract for eligibility according to the inclusion and exclusion criteria. The random-effect network meta-analysis was used to estimate the comparative effects of non-pharmacological interventions in reducing delirium incidence and duration. Results: A total of 29 studies with 7005 critically ill patients were enrolled. Twenty-six and eleven studies reported the delirium incidence and duration, respectively. Component-based intervention comparison revealed that multicomponent strategy was the most effective non-pharmacological intervention compared to usual care in reducing incidence of ICU delirium (Odd ratio [OR]=0.43, 95% CI= 0.22-0.84) but not ICU delirium duration. Treatment-based intervention comparisons indicated that specific multi-treatment interventions significantly reduced the ICU delirium incidence and duration, particularly the involvement of early mobilization and family participation (OR = 0.12 with 95% CI = 0.02 to 0.83; mean difference = -1.34 with 95% CI = -2.52 to -0.16, respectively). Conclusion: Our study suggests that the multicomponent strategy was the most effective non-pharmacological intervention in reducing the incidence of ICU delirium. Early mobilization and family participation involvement in non-pharmacological interventions seemed to be more effective in reducing the incidence of ICU delirium. These results of network-meta analysis could be an important evidence-based for clinical healthcare providers to optimize the critical care protocol. Tweetable abstract: Network meta-analysis of 29 randomised controlled trials with 7005 patients finds that multicomponent interventions, particularly those involving early mobilization, family participation, cognitive stimulation, reorientation, sensory stimulation, environment control and clinical adjustment, is the most effective

non-pharmacological strategy to reduce the incidence of delirium in intensive care units. (PsycInfo
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*Intensive Care

*Intervention

*Treatment Duration

Evidence Based Practice

Treatment Outcomes.

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Experimental Materials [Internet Available]

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(TITLE-ABS-KEY ("*cardiac care*" OR "*critical care*" OR "*intensive care*" OR "*high-depend**" OR *ccu* OR *icu* OR *hdu*)) AND (TITLE-ABS-KEY (*delirium* OR "*acute confusion*" OR *disorientation*)) AND (TITLE-ABS-KEY ("*non-pharmacologic**" OR *nonpharmacologic** OR *nondrug* OR "*non-drug*" OR "*circadian light*" OR *daylight* OR "*bright light*" OR *sleep** OR *noise* OR "*early mobility*" OR "*physical therapy*" OR *mobili?ation* OR "*cognitive activation*") OR TITLE-ABS-KEY ("*sensory impairment*" OR *earplug** OR "*hearing aid**" OR "*visual aid**" OR *hydration* OR *nutrition* OR *clock** OR *reorientation* OR *education* OR *family* OR *spouse* OR "*next of kin*") OR TITLE-ABS-KEY ((*pain W/2 manage**) OR (*pain W/2 assess**) OR (*pain W/2 free*) OR (*pain W/2 control**) OR (*pain W/2 relief**))) AND (LIMIT-TO (PUBYEAR , 2022) OR LIMIT-TO (PUBYEAR , 2021))