

DAFTAR PUSTAKA

1. Seo Y, Lee HJ, Ha EJ, Ha TS. 2021 KSCCM clinical practice guidelines for pain, agitation, delirium, immobility, and sleep disturbance in the intensive care unit. *Acute Crit Care*. 2022;37(1):1–25.
2. Liu YT, Lee CC, Chen CC, Chiu YH, Liu ZH, Wang YC. Verification of the critical-care pain observation tool in conscious patients with hemiparesis or cognitive dysfunction. *J Crit Care*. 2021;65:91–7. Available from: <https://doi.org/10.1016/j.jcrc.2021.06.001>
3. Fischer T, Hosie A, Luckett T, Agar M, Phillips J. Strategies for Pain Assessment in Adult Patients With Delirium: A Scoping Review. *J Pain Symptom Manage*. 2019;58(3):487-502.e11. Available from: <https://doi.org/10.1016/j.jpainsymman.2019.05.020>
4. Rababa M, Al-Sabbah S, Hayajneh AA. Nurses' Perceived Barriers to and Facilitators of Pain Assessment and Management in Critical Care Patients: A Systematic Review. *J Pain Res*. 2021;14:3475–91. Available from: <https://www.proquest.com/scholarly-journals/nurses-perceived-barriers-facilitators-pain/docview/2598260560/se-2>
5. Ayasrah SM. Pain among non-verbal critically ill mechanically ventilated patients: Prevalence, correlates and predictors. *J Crit Care*. 2019;49:14–20. Available from: <https://doi.org/10.1016/j.jcrc.2018.10.002>
6. Mäkinen OJ, Bäcklund ME, Liisanantti J, Peltomaa M, Karlsson S, Kalliomäki ML. Persistent pain in intensive care survivors: a systematic review. *Br J Anaesth*. 2020;125(2):149–58.
7. Nazari R, Froelicher ES, Nia HS, Hajhosseini F, Mousazadeh N. Diagnostic Values of the Critical Care Pain Observation Tool and the Behavioral Pain Scale for Pain Assessment among Unconscious Patients: A Comparative Study. *Indian J Crit care Med* peer-reviewed, Off Publ Indian Soc Crit Care Med. 2022;26(4):472–6.
8. McGovern C, Cowan R, Appleton R, Miles B. Pain, agitation and delirium in the intensive care unit. *Anaesth Intensive Care Med*. 2021;22(12):799–

806. Available from: <https://doi.org/10.1016/j.mpaic.2021.10.013>
9. López-López C, Arranz-Esteban A, Sánchez-Sánchez MM, Pérez-Pérez T, Arias-Rivera S, Solís-Muñoz M, et al. Pain Behaviors Analyzed by Videorecording in Brain-Injured Patients Admitted to the Intensive Care Unit. *Pain Manag Nurs*. 2022;(xxxx).
 10. Chookalayia H, Heidarzadeh M, Hassanpour-Darghah M, Aghamohammadi-Kalkhoran M, Karimollahi M. The Critical care Pain Observation Tool is reliable in non-agitated but not in agitated intubated patients. *Intensive Crit Care Nurs*. 2018;44:123–8. Available from: <http://dx.doi.org/10.1016/j.iccn.2017.07.012>
 11. Ito Y, Teruya K, Nakajima E. Evaluation of pain severity in critically ill patients on mechanical ventilation. *Intensive Crit Care Nurs*. 2022;68(xxxx):2–7.
 12. Gutysz-Wojnicka A, Ozga D, Mayzner-Zawadzka E, Dyk D, Majewski M, Doboszyńska A. Psychometric Assessment of Physiologic and Behavioral Pain Indicators in Polish Versions of the Pain Assessment Scales. *Pain Manag Nurs*. 2019;20(3):292–301.
 13. Georgiou E, Paikousis L, Lambrinou E, Merkouris A, Papathanassoglou EDE. The effectiveness of systematic pain assessment on critically ill patient outcomes: A randomised controlled trial. *Aust Crit Care*. 2020;33(5):412–9.
 14. Fröhlich MR, Meyer G, Spirig R, Bachmann LM. Comparison of the Zurich Observation Pain Assessment with the Behavioural Pain Scale and the Critical Care Pain Observation Tool in nonverbal patients in the intensive care unit: A prospective observational study. *Intensive Crit Care Nurs* 2020 Oct;60. Available from: <https://www.proquest.com/scholarly-journals/comparison-zurich-observation-pain-assessment>
 15. Hylén M, Alm-Roijer C, Idvall E, Akerman E. To assess patients pain in intensive care: developing and testing the Swedish version of the Behavioural Pain Scale. *Intensive Crit Care Nurs*. 2019;52:28–34. Available from: <https://www.sciencedirect.com/science/article>
 16. Phillips ML, Kuruvilla V, Bailey M. Implementation of the Critical Care

- Pain Observation Tool increases the frequency of pain assessment for noncommunicative ICU patients. *Aust Crit Care*. 2019;32(5):367–72.
17. Cortés-Beringola A, Vicent L, Martín-Asenjo R, Puerto E, Domínguez-Pérez L, Maruri R, et al. Diagnosis, prevention, and management of delirium in the intensive cardiac care unit. *Am Heart J*. 2021;232:164–76.
 18. Zeng X, Yang Y, Xu Q, Zhan H, Lv H, Zhou Z, et al. Intraoperative enhancement of effective connectivity in the default mode network predicts postoperative delirium following cardiovascular surgery. *Futur Gener Comput Syst*. 2023;145:27–37. Available from: <https://doi.org/10.1016/j.future.2023.03.006>
 19. Al-Qadheeb NS, Nazer LH, Aisa TM, Osman HO, Rugaan AS, Alzahrani AS, et al. Arabic intensive care delirium screening checklist's validity and reliability: A multicenter study. *J Crit Care*. 2019;54:170–4.
 20. Fischer T, Hosie A, Luckett T, Agar M, Phillips J. Strategies for Pain Assessment in Adult Patients With Delirium: A Scoping Review. *J Pain Symptom Manage*. 2019 Sep;58(3):487-502.e11.
 21. Chen TJ, Traynor V, Wang AY, Shih CY, Tu MC, Chuang CH, et al. Comparative effectiveness of non-pharmacological interventions for preventing delirium in critically ill adults: A systematic review and network meta-analysis. *Int J Nurs Stud*. 2022;131(250):104239. Available from: <https://doi.org/10.1016/j.ijnurstu.2022.104239>
 22. Payne S. Implementation of an Educational Guide to Improve ICU Delirium Awareness and Detection Detection. *TRACE Tennessee Res Creat Exch*. 2022;
 23. Pande RK. Behavioral Pain Assessment Tool: Yet Another Attempt to Measure Pain in Sedated and Ventilated Patients! Vol. 24, *Indian journal of critical care medicine : peer-reviewed, official publication of Indian Society of Critical Care Medicine*. India; 2020. p. 617–8.
 24. McGrath BA, Wallace S, Wilson M, Nicholson L, Felton T, Bowyer C, et al. Safety and feasibility of above cuff vocalisation for ventilator-dependant patients with tracheostomies. *J Intensive Care Soc*. 2019;20(1):59–65.

25. Wallace S, McGrath BA. Laryngeal complications after tracheal intubation and tracheostomy. *BJA Educ.* 2021;21(7):250–7. Available from: <https://doi.org/10.1016/j.bjae.2021.02.005>
26. Zilberberg MD, Nathanson BH, Ways J, Shorr AF. Characteristics, Hospital Course, and Outcomes of Patients Requiring Prolonged Acute Versus Short-Term Mechanical Ventilation in the United States, 2014-2018. *Crit Care Med.* 2020;48(11):1587–94.
27. Yamada S, Ikematsu Y. A Pilot Study on Pain Assessment Using the Japanese Version of the Critical-Care Pain Observation Tool. *Pain Manag Nurs.* 2021;22(6):769–74.
28. Alotni M, Guilhermino M, Duff J, Sim J. Barriers to nurse-led pain management for adult patients in intensive care units: An integrative review. *Aust Crit Care.* 2022;(xxxx).
29. Hamdan KM. Nurses' Assessment Practices of Pain Among Critically Ill Patients. *Pain Manag Nurs.* 2019;20(5):489–96.
30. Ribeiro CJN, Lima AGCF, de Araújo RAS, da Silva Nunes M, Alves JAB, Dantas DV, et al. Psychometric Properties of the Behavioral Pain Scale in Traumatic Brain Injury. *Pain Manag Nurs.* 2019;20(2):152–7. Available from: <https://www.sciencedirect.com/science/article>
31. Shahiri T. S, Gélinas C. The Validity of Vital Signs for Pain Assessment in critically Ill Adults: A Narrative Review. *Pain Manag Nurs.* 2023;(xxxx):1–11. Available from: <https://doi.org/10.1016>
32. Hermes C, Acevedo-Nuevo M, Berry A, Kjellgren T, Negro A, Massarotto P. Gaps in pain, agitation and delirium management in intensive care: Outputs from a nurse workshop. *Intensive Crit Care Nurs.* 2018;48:52–60. Available from: <https://doi.org/10.1016/j.iccn.2018.01.008>
33. Carrillo-Torres O, Ramirez-Torres MA, Mendiola-Roa MA. Update on the assessment and treatment of pain in critically ill patients. *Rev Médica del Hosp Gen México.* 2016;79(3):165–73. Available from: <http://dx.doi.org/10.1016/j.hgmx.2016.05.012>
34. Thikom N, Thongsri R, Wongcharoenkit P, Khruamingmongkhon P,

- Wongtangman K. Incidence of Inadequate Pain Treatment among Ventilated, Critically Ill Surgical Patients in a Thai Population. *Pain Manag Nurs.* 2021;22(3):336–42. Available from: <https://www.scopus.com/inward/record.uri>
35. Björn A, Pudas-Tähkä SM, Salanterä S, Axelin A. Video education for critical care nurses to assess pain with a behavioural pain assessment tool: A descriptive comparative study. *Intensive Crit Care Nurs.* 2017;42:68–74. Available from: <http://dx.doi.org/10.1016/j.iccn.2017.02.010>
36. Puntillo KA, Stannard D, Miaskowski C, Kehrle K, Gleeson S. Use of a pain assessment and intervention notation (P.A.I.N.) tool in critical care nursing practice: Nurses' evaluations. *Hear Lung J Acute Crit Care.* 2002;31(4):303–14.
37. Kizza IB, Muliira JK, Kohi TW, Nabirye RC. Nurses' knowledge of the principles of acute pain assessment in critically ill adult patients who are able to self-report. *Int J Africa Nurs Sci.* 2016;4:20–7. Available from: <http://dx.doi.org/10.1016/j.ijans.2016.02.001>
38. Wiegand DL, Wilson T, Pannullo D, Russo MM, Kaiser KS, Soeken K, et al. Measuring Acute Pain Over Time in the Critically Ill Using the Multidimensional Objective Pain Assessment Tool (MOPAT). *Pain Manag Nurs.* 2018;19(3):277–87. Available from: <https://doi.org/10.1016/j.pmn.2017.10.013>
39. Marques R, Araújo F, Fernandes M, Freitas J, Dixe MA, Gélinas C. Validation Testing of the European Portuguese Critical-Care Pain Observation Tool. *Healthc.* 2022;10(6):1–11.
40. Pudas-Tähkä SM, Salanterä S. Reliability of three linguistically and culturally validated pain assessment tools for sedated ICU patients by ICU nurses in Finland. *Scand J Pain.* 2018;18(2):165–73.
41. Olsen BF, Rustøen T, Valeberg BT. Nurse's Evaluation of a Pain Management Algorithm in Intensive Care Units. *Pain Manag Nurs* [Internet]. 2020;21(6):543–8. Available from: <https://doi.org/10.1016/j.pmn.2020.05.006>

42. Olsen BF, Rustøen T, Valeberg BT. Pain Management Nursing Nurse ' s Evaluation of a Pain Management Algorithm in Intensive Care Units. *Pain Manag Nurs.* 2020;21(6):543–8. Available from: <https://doi.org/10.1016/j.pmn.2020.05.006>
43. Al Darwish ZQ, Hamdi R, Fallatah S. Evaluation of pain assessment tools in patients receiving mechanical ventilation. *AACN Adv Crit Care.* 2016;27(2):162–72.
44. Severgnini P, Pelosi P, Contino E, Serafinelli E, Novario R, Chiaranda M. Accuracy of Critical Care Pain Observation Tool and Behavioral Pain Scale to assess pain in critically ill conscious and unconscious patients: Prospective, observational study. *J Intensive Care.* 2016;4(1):1–8.
45. Gomarverdi S, Sedighie L, Seifrabiei M, Nikooseresht M. Comparison of two pain scales: Behavioral pain scale and critical-care pain observation tool during invasive and noninvasive procedures in intensive care unit-admitted patients. *Iran J Nurs Midwifery Res.* 2019;24(2):151–5. Available from: <https://www.proquest.com/scholarly-journals/comparison-two-pain-scales-behavioral-scale/docview/2381667457/se-2>
46. Cheng LH, Tsai YF, Wang CH, Tsay PK. Validation of two Chinese-version pain observation tools in conscious and unconscious critically ill patients. *Intensive Crit Care Nurs.* 2018;44:115–22. Available from: <https://doi.org/10.1016/j.iccn.2017.08.004>
47. Birkedal HC, Larsen MH, Steindal SA, Solberg MT. Comparison of two behavioural pain scales for the assessment of procedural pain: A systematic review. *Nurs Open.* 2021 Sep;8(5):2050–60. Available from: <https://www.proquest.com/scholarly-journals/comparison-two-behavioural-pain-scales-assessment/docview/2560900961/se-2>
48. Cascella M, Montomoli J, Bellini V, Bignami EG. Integrating data science and neural architecture techniques for automatic pain assessment in critically ill patients. *Anaesth Crit Care Pain Med.* 2023;42(4):101220. Available from: <https://doi.org/10.1016/j.accpm.2023.101220>
49. Hamdan KM. Nurses' Assessment Practices of Pain Among Critically Ill

- Patients. *Pain Manag Nurs*. 2019;20(5):489–96. Available from: <https://doi.org/10.1016/j.pmn.2019.04.003>
50. Nordness MF, Hayhurst CJ, Pandharipande P. Current Perspectives on the Assessment and Management of Pain in the Intensive Care Unit. *J Pain Res*. 2021;14:1733–44. Available from: <https://www.proquest.com/scholarly-journals/current-perspectives-on-assessment-management/docview>
 51. Iannotti KA. Neuroscience Nurses' Perceptions of the Barriers to Identifying and Treating Pain in Acutely Brain- Injured Adult Patients Neuroscience Nurses' Perceptions Of The Barriers To Identifying And Treating Pain In Acutely Brain-Injured Adult Patients. 2015;39. Available from: <http://digitalcommons.ric.edu/etd>
 52. Souza AC de, Alexandre NMC, Guirardello E de B. Propriedades psicométricas na avaliação de instrumentos: avaliação da confiabilidade e da validade. *Epidemiol e Serv saude Rev do Sist Unico Saude do Bras*. 2017;26(3):649–59.
 53. Azevedo-Santos IF, DeSantana JM. Pain measurement techniques: Spotlight on mechanically ventilated patients. *J Pain Res*. 2018;11:2969–80.
 54. Bürger M. VI. Diagnostik. Einführung die Inn Medizin. 2018;544–5.
 55. Heale R, Twycross A. Validity and reliability in quantitative studies. *Evid Based Nurs*. 2015;18(3):66–7.
 56. Sastroasmoro S. *Dasar-Dasar Metodologi Penelitian Klinis*. 2014.
 57. Monaghan TF, Rahman SN, Agudelo CW, Wein AJ, Lazar JM, Everaert K, et al. Foundational statistical principles in medical research: Sensitivity, specificity, positive predictive value, and negative predictive value. *Med*. 2021;57(5):0–6.
 58. Ying GS, Maguire MG, Glynn RJ, Rosner B. Calculating sensitivity, specificity, and predictive values for correlated eye data. *Investig Ophthalmol Vis Sci*. 2020;61(11):0–5.
 59. Gélinas DC. Critical Care Pain Observation Tool (CPOT). <https://www.mdcalc.com/calc/2144/critical-care-pain-observation-tool-cpot#creator-insights>.

60. Payen DJF. Behavioral Pain Scale (BPS) for Pain Assessment in Intubated Patients. <https://www.mdcalc.com/calc/3622/behavioral-pain-scale-bps-pain-assessment-intubated-patients>.
61. Odhner MM. Nonverbal Pain Scale (NVPS) for Nonverbal Patients. <https://www.mdcalc.com/calc/3621/nonverbal-pain-scale-nvps-nonverbal-patients>.
62. Pisani MA, Devlin JW, Skrobik Y. Pain and Delirium in Critical Illness: An Exploration of Key 2018 SCCM PADIS Guideline Evidence Gaps. *Semin Respir Crit Care Med*. 2019;40(5):604–13.
63. Crenshaw NA, Presti CR. A Clinical Update on Delirium: Focus on the Intensive Care Unit Patient. *J Nurse Pract*. 2019;15(10):777–81. Available from: <https://doi.org/10.1016/j.nurpra.2019.08.029>
64. Wilson JE, Mart M, Cunningham C, Shehabi Y, Timothy D, Maclullich AMJ, et al. *HHS Public Access*. 2022;6(1):1–64.
65. Cortés-Beringola A, Vicent L, Martín-Asenjo R, Puerto E, Domínguez-Pérez L, Maruri R, et al. Diagnosis, prevention, and management of delirium in the intensive cardiac care unit. *Am Heart J*. 2021;232:164–76.
66. Mart MF, Williams Roberson S, Salas B, Pandharipande PP, Ely EW. Prevention and Management of Delirium in the Intensive Care Unit. *Semin Respir Crit Care Med*. 2021;42(1):112–26.
67. Sessler DC. Richmond Agitation-Sedation Scale (RASS). <https://www.mdcalc.com/calc/1872/richmond-agitation-sedation-scale-rass>. Available from: <https://www.mdcalc.com/calc/1872/richmond-agitation-sedation-scale-rass>
68. Inouye DSK. Confusion Assessment Method for the ICU (CAM-ICU). <https://www.mdcalc.com/calc/1870/confusion-assessment-method-icu-cam-icu>. Available from: <https://www.mdcalc.com/calc/1870/confusion-assessment-method-icu-cam-icu>
69. Nurses AA of CC. AACN 's C ompetence F ramework for P rogressive and C ritical C are : I nitial C ompetency 2022. Nurses AA of CC, editor. USA: American Association of Critical-Care Nurses; 2022.

70. Swickard S, Swickard W, Reimer A, Lindell D, Winkelman C. Adaptation of the AACN Synergy Model for Patient Transport. *Crit Care Nurse*. 2014;34(1):16–29.
71. Duncan DN. Educating to the Collaborative Care Model. *Educ to Collab Care Model*. 2017;1. Available from: <http://search.ebscohost.com/login.aspx?direct=true&db=c8h&AN=124653979&lang=es&site=ehost-live>
72. Ofori BS. Development and Pilot Testing of a Clinical Guideline for the Comprehensive Management of Pain in an Adult Intensive Care Unit in Ghana – an. 2017;
73. Bray K, Winkelman C, Bernhofer EI, Marek JF. Procedural Pain in the Adult Neurological Intensive Care Unit: A Retrospective Study Examining Arterial Line Insertion. *Pain Manag Nurs*. 2020;21(4):323–30. Available from: <https://doi.org/10.1016/j.pmn.2019.09.003>
74. Nania T, Barello S, Caruso R, Graffigna G, Stievano A, Pittella F, et al. The state of the evidence about the Synergy Model for patient care. *Int Nurs Rev*. 2021;68(1):78–89.
75. Georgiou G, Amenudzie Y, Ho E, O’Sullivan E. Assessing the application of the Synergy Model in hematology to improve care delivery and the work environment. *Can Oncol Nurs J*. 2018;28(1):13–6.
76. Smith MJ. ePublications at Regis University Step Model for Managing Chronic , Non-Malignant Pain in Primary Care. 2019;
77. Mcewan KK. ScholarWorks Improving the Nurse Patient Assignment Process on a Medical Surgical Unit. 2021;
78. Theses M, Kennedy J. Digital Commons @ RIC The Effects of Using Ultrasound Guidance Versus Traditional Method for Peripheral Intravenous Placement A Major Paper Submitted in Partial Fulfillment. 2021;
79. H.M. Sidik Priadana, Sunarsi D. Metode Penelitian Kuantitatif. Cetakan Pe. Prof. Dr. H.M. Sidik Priadana M, Denok Sunarsi, S.Pd., M.M. Ch, editors. Tangerang: Pascal Books; 2021.
80. Hair, J. F. Jr., R. E. Anderson, R. L. Tatham and WCB. *Multivariate Data*

- Analysis. Seventh Ed. Hair, J. F. Jr., R. E. Anderson, R. L. Tatham and WCB, editor. New Jersey: Pearson Prentice Hall; 2010. 176 p.
81. Polit DF. Nursing research principles and methods. Ed 7nd, editor. lipincott williams & wilkins; 2003. 746–19 p.
 82. Abdullah M. Metode Penelitian Kuantitatif. Cetakan I: Abdullah PM, editor. Yogyakarta: Aswaja Pressindo; 2015. 422 hlm.
 83. Sujarweni VW. Panduan Penelitian Keperawatan Dengan SPSS. Pertama. Nayla, editor. Yogyakarta: Pustaka Baru Press; 2014. 146–2 p.
 84. Swift A, Heale R, Twycross A. What are sensitivity and specificity? *Evid Based Nurs*. 2020;23(1):1–3.
 85. Emsden C, Schäfer UB, Denhaerynck K, Grossmann F, Frei IA, Kirsch M. Validating a pain assessment tool in heterogeneous ICU patients: Is it possible? *Nurs Crit Care*. 2020;25(1):8–15. Available from: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070326095>
 86. Yusuf Tapehe SS. Statistika dan Rancangan percobaan. Cetakan 20. Afifah HN, editor. Jakarta: Penerbit Buku Kedokteran EGC; 2014. 259 hlm.
 87. Wojnar-Gruszka K, Sega A, Płaszewska-Żywko L, Wojtan S, Potocka M, Kózka M. Pain Assessment with the BPS and CCPOT Behavioral Pain Scales in Mechanically Ventilated Patients Requiring Analgesia and Sedation. *Int J Environ Res Public Health*. 2022;19(17):10894. Available from: <https://www.proquest.com/scholarly-journals/pain-assessment-with-bps-ccpot-behavioral-scales/docview/2711307010/se-2>
 88. Hylén M, Alm-Roijer C, Idvall E, Akerman E. To assess patients pain in intensive care: developing and testing the Swedish version of the Behavioural Pain Scale. *Intensive Crit Care Nurs*. 2019;52:28–34.
 89. Arredondo Montero J, Martín-Calvo N. Diagnostic performance studies: interpretation of ROC analysis and cut-offs. *Cirugía Española (English Ed)*. 2022;10–2.
 90. Hoo ZH, Candlish J, Teare D. What is an ROC curve? *Emerg Med J*. 2017;34(6):357–9.
 91. Verbakel JY, Steyerberg EW, Uno H, De Cock B, Wynants L, Collins GS,

- et al. ROC curves for clinical prediction models part 1. ROC plots showed no added value above the AUC when evaluating the performance of clinical prediction models. *J Clin Epidemiol.* 2020;126:207–16. Available from: <https://doi.org/10.1016/j.jclinepi.2020.01.028>
92. Kendall Smith S, Nguyen T, Labonte AK, Kafashan M, Hyche O, Guay CS, et al. Protocol for the Prognosticating Delirium Recovery Outcomes Using Wakefulness and Sleep Electroencephalography (P-DROWS-E) study: A prospective observational study of delirium in elderly cardiac surgical patients. *BMJ Open.* 2020;10(12):1–14.
 93. Olsen BF, Valeberg BT, Jacobsen M, Småstuen MC, Puntillo K, Rustøen T. Pain in intensive care unit patients—A longitudinal study. *Nurs Open.* 2021;8(1):224–31.
 94. Patel S, Kacheriwala S, Duttaroy Di. Audit of postoperative surgical intensive care unit admissions. *Indian J Crit Care Med.* 2018;22(1):10–5.
 95. Uzman S, Yilmaz Y, Toptas M, Akkoc I, Yg G, Daskaya H, et al. Totaly p (n =77) (n =104) (n =444) (n =409) (n =662). 2016;38–43.
 96. Stretch B, Shepherd SJ. Criteria for intensive care unit admission and severity of illness. *Surg (United Kingdom).* 2021;39(1):22–8. Available from: <https://doi.org/10.1016/j.mpsur.2020.11.004>
 97. Kotfis K, Strzelbicka M, Zegan-Baranska M, Safranow K, Brykczynski M, Zukowski M, et al. Validation of the behavioral pain scale to assess pain intensity in adult, intubated postcardiac surgery patients: A cohort observational study - POL-BPS. *Med (United States).* 2018;97(38).
 98. Kotfis K, Zegan-Barańska M, Strzelbicka M, Safranow K, Żukowski M, Ely EW. Validation of the Polish version of the Critical Care Pain Observation Tool (CPOT) to assess pain intensity in adult, intubated intensive care unit patients: the POL-CPOT study. *Arch Med Sci.* 2018;14(4):880–9. Available from: <https://www.proquest.com/scholarly-journals/validation-polish-version-critical-care-pain/docview/2080864704/se-2>
 99. Lukaszewicz AC, Dereu D, Gayat E, Payen D. The relevance of pupillometry for evaluation of analgesia before noxious procedures in the intensive care

- unit. *Anesth Analg*. 2015;120(6):1297–300.
100. Oliveira LS, Macedo MP, Silva SAM da, Oliveira AP de F, Santos VS. Pain assessment in critical patients using the Behavioral Pain Scale. *Brazilian J Pain*. 2019;2(2):112–6.
 101. Kaya P, Erden S. Cross-cultural adaptation, validity and reliability of the Turkish version of Revised Nonverbal Pain Scale. *Agri*. 2019;31(1):15–22.
 102. Ribeiro CJN, De Araújo ACS, Brito SB, Dantas DV, Da Silva Nunes M, Alves JAB, et al. Pain assessment of traumatic brain injury victims using the Brazilian version of the Behavioral Pain Scale. *Rev Bras Ter Intensiva*. 2018;30(1):42–9.
 103. Gélinas C, Harel F, Fillion L, Puntillo KA, Johnston CC. Sensitivity and Specificity of the Critical-Care Pain Observation Tool for the Detection of Pain in Intubated Adults After Cardiac Surgery. *J Pain Symptom Manage*. 2009;37(1):58–67.
 104. Narkhede S. Understanding AUC - ROC Curve. *Toward Data Sci*. 2018;6–11. Available from: <https://towardsdatascience.com/understanding-auc-roc-curve-68b2303cc9c5>
 105. Chen YY, Lai YH, Shun SC, Chi NH, Tsai PS, Liao YM. The Chinese Behavior Pain Scale for critically ill patients: Translation and psychometric testing. *Int J Nurs Stud*. 2011;48(4):438–48. Available from: <http://dx.doi.org/10.1016/j.ijnurstu.2010.07.016>
 106. Chookalayi H, Heidarzadeh M, Hasanpour M, Jabrailzadeh S, Sadeghpour F. A Study on the Psychometric Properties of Revised-nonverbal Pain Scale and Original-nonverbal Pain Scale in Iranian Nonverbal-ventilated Patients. *Indian J Crit care Med* peer-reviewed, Off Publ Indian Soc Crit Care Med. 2017 Jul;21(7):429–35.
 107. In PAINSC, Li CRI, Ferguson P, Joseph P, Sherman S. *6 p s c i , i a*. 2015;24(6):514–24.
 108. Hsiung NH, Yang Y, Lee MS, Dalal K, Smith GD. Translation, adaptation, and validation of the behavioral pain scale and the critical-care pain observational tools in Taiwan. *J Pain Res*. 2016;9:661–9.

109. de Queiróz Pinheiro ARP, Marques RMD. Behavioral Pain Scale and Critical Care Pain Observation Tool for pain evaluation in orotracheally tubed critical patients. A systematic review of the literature. *Rev Bras Ter Intensiva*. 2019;31(4):571–81.
110. Heidarzadeh M, Chookalayi H, Jabrailzadeh S, Hashemi M, Kiani M, Kohi F. Determination of Psychometric Properties of Non-Verbal Pain Scale in Patients Receiving Mechanical Ventilation. *J Holist Nurs Midwifery*. 2018;28(3):171–8.
111. Barzanji A, Zareiyan A, Nezamzadeh M, Mazhari MS. Evaluation of observational and behavioural pain assessment tools in nonverbal intubated critically adult patients after open - Heart surgery: A systematic review. *Open Access Maced J Med Sci*. 2019;7(3):446–57. Available from: <https://www.scopus.com/inward/record.uri>