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International Medical Journal Malaysia [Open Access](#)
Volume 18, Issue 1, 1 March 2019, Pages 145-155

Physiological and psychological effects of listening to Holy Quran Recitation in the intensive care unit patients: A systematic review (Review)

Mat-Nor, M.B.^a ✉, Ibrahim, N. A.^b, Ramly, N.F.^a, Abdullah, F.^c 👤

^aDepartment of Anaesthesiology and Intensive Care, Kulliyah of Medicine, International Islamic University Malaysia, Kuantan, Pahang, 25200, Malaysia

^bAnaesthesiology Unit, Department of Surgery, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia, Serdang, Selangor, 43400, Malaysia

^cDepartment of Family Medicine, Kulliyah of Medicine, International Islamic University Malaysia, Kuantan, Pahang, 25200, Malaysia

Abstract

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Stress and anxiety are common among intensive care unit (ICU) patients especially those who are on mechanical ventilation. Non-pharmacological interventions such as music and prayer are recommended because they are opioid sparing, easy to provide, cheap and safe. There is a growing body of evidence on the effects of Holy Quran Recitation (HQR) in reducing stress and anxiety in critically ill Muslim patients. The aim of this review is to evaluate the physiological and psychological effects of HQR specifically in ICU setting. This review was performed on articles published between 2007 and 2018. Extensive search was done using PubMed, ISI Web of Knowledge, Scopus and Google Scholar. Systematic review articles are also assessed and relevant literatures are hand searched based on reference lists and citations made in key publications. Studies related to HQR which were done outside adult ICU setting were excluded. A total of nine articles are included in the final list for detail analysis. Findings of this review revealed six studies with significant results in improving stress responses, hemodynamic stability and conscious levels. HQR is a potential nonpharmacological tool to reduce stress and can also be used as auditory stimulus to improve conscious level in comatose patients. More studies in this area are recommended aiming for low risk of bias, appropriate calculation of sample size and adequately powered to detect significant outcomes. © 2019 Default.

SciVal Topic Prominence ⓘ

Topic: Music | Anxiety | Music intervention

Prominence percentile: 92.508 ⓘ

Author keywords

Critically ill Holy Quran listening Mechanical ventilation Non-pharmacological Stress

Funding details

Funding sponsor	Funding number	Acronym
	RIGS17-017-0592	

Funding text

The study was partly funded by the IIUM Research Initiative Grant Scheme RIGS17-017-0592.

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References (36)

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-
- 1 Chlan, L., Halm, M.A.
Does music ease pain and anxiety in the critically ill? (Open Access)

(2013) American Journal of Critical Care, 22 (6), pp. 528-532. Cited 10 times.
<http://ajcc.aacnjournals.org/content/22/6/528.full.pdf+html>
doi: 10.4037/ajcc2013998

[View at Publisher](#)
-
- 2 Lusk, B., Lash, A.A.
The stress response, psychoneuroimmunology, and stress among icu patients

(2005) Dimensions of Critical Care Nursing, 24 (1), pp. 25-31. Cited 32 times.
doi: 10.1097/00003465-200501000-00004

[View at Publisher](#)
-
- 3 Aghaie, B., Rejeh, N., Heravi-Karimooi, M., Ebadi, A., Moradian, S.T., Vaismoradi, M., Jasper, M.
Effect of nature-based sound therapy on agitation and anxiety in coronary artery bypass graft patients during the weaning of mechanical ventilation: A randomised clinical trial

(2014) International Journal of Nursing Studies, 51 (4), pp. 526-538. Cited 21 times.
doi: 10.1016/j.ijnurstu.2013.08.003

[View at Publisher](#)
-
- 4 Devlin, J.W., Skrobik, Y., Gélinas, C., Needham, D.M., Slooter, A.J.C., Pandharipande, P.P., Watson, P.L., (...), Alhazzani, W.
Clinical Practice Guidelines for the Prevention and Management of Pain, Agitation/Sedation, Delirium, Immobility, and Sleep Disruption in Adult Patients in the ICU

(2018) Critical care medicine, 46 (9), pp. e825-e873. Cited 65 times.
doi: 10.1097/CCM.0000000000003299

[View at Publisher](#)
-
- 5 Chlan, L.L., Weinert, C.R., Heiderscheid, A., Tracy, M.F., Skaar, D.J., Guttormson, J.L., Savik, K.
Effects of patient-directed music intervention on anxiety and sedative exposure in critically ill patients receiving mechanical ventilatory support: A randomized clinical trial (Open Access)

(2013) JAMA - Journal of the American Medical Association, 309 (22), pp. 2335-2344. Cited 99 times.
http://jama.jamanetwork.com/data/Journals/JAMA/927088/jce130008_2335_2344.pdf
doi: 10.1001/jama.2013.5670

[View at Publisher](#)
-
- 6 Anastasi, M.W., Newberg, A.B.
A preliminary study of the acute effects of religious ritual on anxiety

(2008) Journal of Alternative and Complementary Medicine, 14 (2), pp. 163-165. Cited 19 times.
doi: 10.1089/acm.2007.0675

- 7 Rath, L.L.
Intercessory prayer as an intervention for stress in critically-ill neonates
(2008) South Online J Nurs Res, 8, p. 2.
-
- 8 Fisher, P.
Introduction of meditation to meet service users ' spiritual needs
(2011) Ment Heal Pract, 14.
-
- 9 Levin, J.S., Chatters, L.M.
Research on religion and mental health: An overview of empirical findings and theoretical issues
(1998) In: Handbook of Religion and Mental Health, pp. 33-50. Cited 176 times.
-
- 10 Sahmeddini, M.A., Lari, M.Z., Rahimian, M.N., Danaei, L., Beigi, N., Habibi, H.
The effect of listening to the quran on serum cortisol levels and anxiety in primiparous women during the first stage of labor

(2014) Iranian Journal of Obstetrics, Gynecology and Infertility, 17 (99), pp. 1-7. Cited 3 times.
http://ijogi.mums.ac.ir/pdf_2853_9528a4bfadaac468b41ba4c91f386cff.html
-
- 11 Frih, B., Mkacher, W., Bouzguenda, A., Jaafar, H., Alkandari, S.A., Ben Salah, Z., Sas, B., (...), Frih, A.
Effects of listening to Holy Qur'an recitation and physical training on dialysis efficacy, functional capacity, and psychosocial outcomes in elderly patients undergoing haemodialysis (Open Access)

(2017) Libyan Journal of Medicine, 12 (1), art. no. 1372032. Cited 2 times.
<http://www.tandfonline.com/toc/zljm20/current>
doi: 10.1080/19932820.2017.1372032

View at Publisher
-
- 12 Babaii, A., Abbasinia, M., Hejazi, S.F., Reza, S., Tabaei, S., Dehghani, F.
The Effect of Listening to the Voice of Quran on Anxiety before Cardiac Catheterization: A Randomized Controlled Trial
(2015) Heal Spiritual Med Ethics, 2, pp. 8-14. Cited 3 times.
-
- 13 Allameh, T., JabalAmeli, M., Lorestani, K., Akbari, M.
The efficacy of quran sound on anxiety and pain of patients under cesarean section with regional anesthesia: A randomized case-controlled clinical trial

(2013) Journal of Isfahan Medical School, 31 (235). Cited 5 times.
<http://jims.mui.ac.ir/index.php/jims/article/view/2252/5203>
-
- 14 Ghiasi, A., Keramat, A.
The effect of listening to holy quran recitation on anxiety: A systematic review (Open Access)

(2018) Iranian Journal of Nursing and Midwifery Research, 23 (6), pp. 411-420.
www.ijnmrjournal.net/
doi: 10.4103/ijnmr.IJNMR_173_17

View at Publisher
-

- 15 Higgins, J.P.T., Sterne, J.A.C., Savovic, J., Page, M.J., Hróbjartsson, A., Boutron, I., Reeves, B.E.S.
A revised tool for assessing risk of bias in randomized trials
(2016) Cochrane Database Syst Rev, 10, pp. 1-4. Cited 182 times.
-
- 16 Ariff, M.S., Mai Ashikin, N.T., Maryamjameelah, R., Bushra, J., Wan Azman, W.A.
Pilot study on the effect of Yasiin recitation on the haemodynamics of ventilated patients
(2013) International Medical Journal Malaysia, 12 (2), pp. 45-49. Cited 2 times.
<http://iiuimed.net/imjm/v1/download/Volume%2012%20No%202/Vol12No2%20Page%2045-49.pdf>
-
- 17 Abu Bakar, S.A.
Effect of Holy Quran listening on physiological stress response among Muslim patients in the intensive care unit
(2014) J Manag Muamalah, 5, pp. 164-173.
-
- 18 Yadak, M., Ansari, K.A., Qutub, H.
The Effect of Listening to Holy Quran Recitation on Weaning Patients Receiving Mechanical Ventilation in the Intensive Care Unit: A Pilot Study
(2017) J Reli Heal, pp. 1-10. Cited 2 times.
Sep 30
-
- 19 Naseri-Salahshour, V., Varaei, S., Sajadi, M., Tajdari, S., Sabzaligol, M., Fayazi, N.
The effect of religious intervention on the level of consciousness of comatose patients hospitalized in an intensive care unit: a randomized clinical trial
(2018) European Journal of Integrative Medicine, 21, pp. 53-57. Cited 2 times.
<http://www.elsevier.com/journals/european-journal-of-integrative-medicine/1876-3820>
doi: 10.1016/j.eujim.2018.06.008

View at Publisher
-
- 20 Nasiri, A.A., Shahdadi, H., Mansouri, A., Bandani, E.
An Investigation into the Effect of Listening to the Voice of the Holy Quran on Vital Signs and Consciousness Level of Patients Admitted to the ICU Wards of Zabol University of Medical Sciences Hospitals
(2017) Middle East J Fam Med, 15, pp. 75-79.
-
- 21 El-hady, M.M., Kandeel, N.A.
The Effect of Listening to Qur ' an on Physiological Responses of Mechanically Ventilated Muslim Patients
(2017) IOSR J Nurs Heal Sci, 6, pp. 79-87.
-
- 22 Mirzaeian, R., Shirvani, M., Alidosti, M.
The effect of Holy Quran recitation sound on vital signs and arterial oxygen pressure of unconscious patients hospitalised in ICU
(2017) IAJPS, 4, pp. 1254-1259.
-
- 23 Rustam, J.S., Kongsuwan, W., Kitrungrrote, L.
Effect of Comfort Care Integrated with the Holy Qur ' an Recitation on Comfort of Muslim Patients under Mechanical Ventilation: A Pilot Study
(2017) Med Surg Nurs J, 6, pp. 34-40.

-
- 24 Najafi, Z., Tagharrobi, Z., Taghadosi, M., Sharifi, K., Farrokhian, A.
The effect of simultaneous aromatherapy and Quran recitation on anxiety level of patients with myocardial infarction
(2014) *Complement Med J*, 4, pp. 700-712. Cited 2 times.
-
- 25 Jabbari, B., Mirghafourvand, M., Sehhatie, F., Mohammad-Alizadeh-Charandabi, S.
The Effect of Holly Quran Voice With and Without Translation on Stress, Anxiety and Depression During Pregnancy: A Randomized Controlled Trial
(2017) *Journal of Religion and Health*, pp. 1-11. Cited 5 times.
<http://www.kluweronline.com/issn/0022-4197>
doi: 10.1007/s10943-017-0417-x

View at Publisher
-
- 26 Nakhavali, F., Seyedi, S.H.
A Research on "Rhythm & Music" in the Quran
(2013) *Int J Linguist*, 5, pp. 21-27. Cited 3 times.
-
- 27 Mahjoob, M., Nejati, J., Hosseini, A., Bakhshani, N.M.
The Effect of Holy Quran Voice on Mental Health
(2016) *Journal of Religion and Health*, 55 (1), pp. 38-42. Cited 13 times.
<http://www.kluweronline.com/issn/0022-4197>
doi: 10.1007/s10943-014-9821-7

View at Publisher
-
- 28 Moghaddam, F., Bousarri, M.P., Faghihzadeh, S., Masoumi, N.
Effect of Auditory Stimulation by Family Voices and Recitation of Prayers on Hemodynamic Changes in Comatose Patients: A Clinical Trial With Control Group
(2016) *Crescent J Med Biol Sci*, 3, pp. 60-66. Cited 3 times.
-
- 29 Deuraseh, N., Mohd Tohar, S.N.A.
Healing Through Ruqyah (incantation) With Special Focus on the Perception of Malay-Muslim Society in Kelantan and Terengganu on Ruqyah as an Alternative Way of Healing in Malaysia
(2008) *J Int Soc Hist Islam Med*, 7, pp. 50-54. Cited 2 times.
-
- 30 Al-Galal, S.A.Y., Alshaikhli, I.F.T., Rahman, A.W.B.A., Dzulkifli, M.A.
EEG-based Emotion Recognition while Listening to Quran Recitation Compared with Relaxing Music Using Valence-Arousal Model
(2015) *Proceedings - 2015 4th International Conference on Advanced Computer Science Applications and Technologies, ACSAT 2015*, art. no. 7478752, pp. 245-250. Cited 4 times.
ISBN: 978-150900424-9
doi: 10.1109/ACSAT.2015.10

View at Publisher
-
- 31 Shekha, M.S.
Effects of Quran Listening and Music on Electroencephalogram Brain Waves
(2013) *Egypt J Exp Biol*, 9, p. 7.
-

□ 32 Zulkurnaini, N.A., Kadir, R.S.S.A., Murat, Z.H., Isa, R.M.

The comparison between listening to Al-Quran and listening to classical music on the brainwave signal for the alpha band

(2012) Proceedings - 3rd International Conference on Intelligent Systems Modelling and Simulation, ISMS 2012, art. no. 6169696, pp. 181-186. Cited 15 times.
ISBN: 978-076954668-1
doi: 10.1109/ISMS.2012.60

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□ 33 Davis, A.E., Gimenez, A.

Cognitive-behavioral recovery in comatose patients following auditory sensory stimulation.

(2003) The Journal of neuroscience nursing : journal of the American Association of Neuroscience Nurses, 35 (4), pp. 202-209, 214. Cited 29 times.

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□ 34 Park, S., Davis, A.E.

Effectiveness of direct and non-direct auditory stimulation on coma arousal after traumatic brain injury

(2016) International journal of nursing practice, 22 (4), pp. 391-396. Cited 6 times.
[http://onlinelibrary.wiley.com/journal/10.1111/\(ISSN\)1440-172X](http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1440-172X)
doi: 10.1111/ijn.12448

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□ 35 Oh, H., Seo, W.

Sensory stimulation programme to improve recovery in comatose patients

(2003) Journal of Clinical Nursing, 12 (3), pp. 394-404. Cited 41 times.
www.blackwellpublishing.com/journal.asp?ref=0962-1067
doi: 10.1046/j.1365-2702.2003.00750.x

[View at Publisher](#)

□ 36 Konkani, A., Oakley, B.

Noise in hospital intensive care units-a critical review of a critical topic

(2012) Journal of Critical Care, 27 (5), pp. 522.e1-522.e9. Cited 87 times.
<http://www.elsevier.com/inca/publications/store/6/2/3/1/4/3/index.htm>
doi: 10.1016/j.jcrc.2011.09.003

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👤 Mat-Nor, M.B.; Department of Anaesthesiology and Intensive Care, Kulliyah of Medicine, International Islamic University Malaysia, Kuantan, Pahang, Malaysia; email:m.basri@iium.edu.my

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