



RESEARCH WITH MUSICURE – AN OVERVIEW

Scientific studies using MusiCure – published in International medical journals Since 2003 independent researchers and healthcare professionals from a number of countries has carried out a series of clinical research studies with MusiCure.

The results of these studies and controlled trials are currently published in a number of international medical journals, such as: Heart & Lung – The journal of Acute and Critical Care, European journal of Cardiovascular Nursing, Intensive and Critical Care Nursing, Pediatric Anesthesia, and others.

The published articles and research studies using MusiCure as 'music medicine' and MusiCure Nature Films shows:

Significantly reduced feelings of stress, anxiety and pain

A decrease in use of medication and drugs (tranquilizers, morphine, sleeping pills, etc.)

Lowering of the body's production of hormone cortisol (stress hormone) – including results from physiological measurements with blood samples

Increase in production of hormone oxytocin ("peace/love hormone") – including results from physiological measurements with blood samples

Generally – an increased sense of calmness, well-being, motivation and inspiration

Why MusiCure is unique:

The original composed music, the film productions and the MusiCure pillow are all created specifically for healthcare by the composer Niels Eje and producer Inge Mulvad Eje.

More than 20 years of creative development, on a foundation of clinical research, implemented and published in International Medical Journals by independent researchers.

All references to music interventions in the listed research projects have been completed with MusiCure.

All MusiCure products are unique original material on a worldwide scale, and no other music or films has previously been created on this evidence-based foundation. Internationally published articles with research using MusiCure: The following list of published scientific studies, research posters and review articles are all about using MusiCure.

PUBLISHED ARTICLES

Effects of Non pharmacologic Distraction Methods on Children's Postoperative Pain-A Non matched Case Control Study Susanne Winther Olsen ¹, Charlotte Rosenkilde ², Jørgen Lauridsen ³, Dorthe Hasfeldt

Published Jan. 2020

Music interventions in patients during coronary angiographic procedures: A randomized controlled study of the effect on patients' anxiety and well-being. Birgit P. Weeks, Northwest Hospital & Medical Center, Seattle, Washington, USA, and Ulrica Nilsson, Department of Anaesthesia and Intensive Care and Centre for Health Care Sciences, Örebro University, Sweden. Published in European Journal of Cardiovascular Nursing (2010)

School-aged children's experiences of postoperative music medicine on pain, distress, and anxiety. Authors: Stefan Nilsson RN, MSC, co-authors: Eva Kokinsky MD, PhD, Ulrica Nilsson Professor, RNA, PhD, and Karin Enskär RN, PhD, Department of Paediatric Anaesthesia and Intensive Care Unit The Queen Silvia Children's Hospital, Sahlgrenska University Hospital, Göteborg Sweden. Published in Paediatric Anaesthesia 2010

Soothing music can increase oxytocin levels during bed rest after open-heart surgery: a randomised control trial Author: Ulrica Nilsson, Professor, RNA and PhD at the Centre for Health Care Sciences at Örebro University Sweden.

Published in Journal of Clinical Nursing August 2009. See also: Oxytocin study Poster

Patients' perception of music versus ordinary sound in a post anaesthesia care unit: a randomised crossover trial.

Authors: Ann-Charlotte Fredriksson, Leif Hellström, Ulrica Nilsson, Malmö University Hospital, Sweden.

Published in Intensive and Critical Care Nursing 2009

The effect of music intervention in stress response to cardiac surgery in a randomized clinical trial. Author: Ulrica Nilsson, Professor, RNA and PhD at the Centre for Health Care Sciences at Örebro University Sweden. Published in 'Heart & Lung – The journal of Acute and Critical Care Oct.2008.

Implicit Processing of Visual Emotions Is Affected by Sound-Induced Affective States and Individual Affective Traits.

Research project on how three different kinds of sound exposure (music (MusiCure) a noise sequence and silence) affects subjects' visual emotions: Authors: Tiziana Quarto, Giuseppe Blasi, Karen Johanne Pallesen, Alessandro Bertolino, Elvira Brattico. Published in PLOS ONE, volume 9, issue 7, July 2014

Perioperative music may reduce pain and fatigue in patients undergoing laparoscopic cholecystectomy.

Authors: Graversen M. and Sommer T. Department of Surgery, Randers Region Hospital, Randers,

Denmark. Published in Acta Anaesthesiologica Scandinavica 2013

Treatment with MusiCure of psychiatric patients suffering from anxiety – a pilot study

Author and project coordinator: Torben Egelund Soerensen, Supervisor: Joergen Tybjerg, MD.

Psychiatric Department, Horsens Hospital, Denmark. Published by Musica Humana, 2004 and 'Musikterapi i Psykiatrien – Aarskrift 4-2005.

Positive effect of MusiCure on patients undergoing bronchochoscopy - A randomized controlled trial

Elisabeth Jeppesen, Carsten Michél Pedersen, Klaus Richter Larsen, Anne Rehl, Karen Bartholdy, Vibeke Backer. European Respiratory Journal 2016

Designed sound and music environment in post anaesthesia care units—a multicentre study of patients and staff.

Authors: Thorgaard P, Ertmann E, Hansen V, Noerregaard A, Hansen V, Spanggaard L. Published in Intensive and Critical Care Nursing 2004.

Specially selected music in the cardiac laboratory—an important tool for improvement of the wellbeing of patients. Authors: Gøtzsche B, Henriksen BB, Pedersbaek G, Thomsen I. Published in European journal of Cardiovascular Nursing 2003

Meaning, Power and Exoticism in Medicinal Music: A Case Study of MusiCure in Denmark, Author: Tore Tvarnø Lind, Assistant Professor in ethnomusicology at the Department of Arts and Cultural Studies, University of Copenhagen. Published in Ethnomusicology Forum 2007.

Music for improvement of trauma-related sleep problems, Poster af Jespersen, K.V. og Vuust, P. (CFIN) Opsummering af artiklen 'The effect of relaxation music listening on sleep quality in traumatized refugees: A pilot study', Publiceret i Journal of Music Therapy 49(2), 205-229, 2012. Se også: Prezi presentation (opsummering): 'The effect of relaxing music listening on sleep quality in refugees' (Jespersen & Vuust).

Effectiveness of music interventions for women with high anxiety during coronary angiographic procedures - a randomized controlled study. Author: Ulrica Nilsson, Professor, PhD & RNA, Örebro University, Sweden. Published in 'European Journal of Cardiovascular Nursing' 2012

Randomized Controlled Trial on the Impact of Music Therapy During Cardiac Catheterization on Reactive Hyperemia Index and Patient Satisfaction: The Functional Change in Endothelium After Cardiac Catheterization, With and Without Music Therapy (FEAT) Study. Author(s): Lindsay Ripley, BS; Georgios Christopoulos, MD; Tesfaldet T. Michael, MD; Mohammed Alomar, MD; Bavana V. Rangan, BDS, MPH; Michele Roesle, RN; Anna Kotsia, MD, PhD; Subhash Banerjee, MD; Emmanouil S. Brilakis, MD, PhD. Published in Journal of Invasive Cardiology, 2014

The effect of music on heart rate and motion artefacts during gamma camera acquisition for myocardial perfusion scintigraphy. By: Pulawska T., Gerhardt M., Sondergaard, S. and Zerahn, B. Poster from Herlev University Hospital, Denmark.

Designed sound environment for heart patients before and after invasive procedures Author and study leader: Bitten Gøtzsche, Ward Nurse, Cardiac Laboratory, Department of Cardiology, Aalborg University Hospital, Denmark. Published by Musica Humana, 2010.

The effect of music intervention in relation to gender during coronary angiographic procedures: a randomized clinical trial. Authors: Nilsson U, Lindell L, Eriksson A, Kellerth T. Department of Cardiothoracic Surgery, Örebro University Hospital, Sweden. Published in : European Journal of Cardiovascular Nursing 2009.

Music intervention among children with autism spectrum disorder and sleeping difficulties By Susan Gulstad, Education Consultant, and Dr. Per Thorgaard, Aalborg University Hospital. Published by Musica Humana 2006, and Autismebladet, 2007.

Music for patients in intensive care and recovery wards at Odense University Hospital Music therapy during the recovery process after major surgical procedures. By Vibeke Hansen, and Anni Nørregaard, Odense University Hospital. Published by Musica Humana, 2004

Summary of project Ataraxia. By PhD student, music therapist, teacher Karin Schou. A project at Aalborg University Hospital, Aalborg, Denmark, Published by Musica Humana, 2003.

Evaluating Pictures of Nature and Soft Music on Anxiety and Well-Being During Elective Surgery Authors: Elinor Nielsen, Ingrid Wåhlin and Gunilla Hollman Frisman Published in The Open Nursing Journal 2018

REVIEW- AND OTHER ARTICLES

The Lancet, August 2015: Music as an aid for postoperative recovery in adults: a systematic review and meta-analysis - a review article by Jenny Hole, Martin Hirsch, Elizabeth Ball and Catherine Meads. Publiceret 13. august i The Lancet (med reference til 5 videnskabelige studier hvor MusiCure anvendes).

The Effects of Perioperative Music Interventions in Pediatric Surgery - af Marianne J. E. van der Heijden, Sadaf Oliai Araghi, Monique van Dijk, Johannes Jeekel and M. G. Myriam Hunink. Publiceret August 2015 i PLOS ONE

Music for insomnia in adults (Review) - Cochrane Database of Systematic Reviews, 2015, Issue 8.
Authors: Jespersen KV, Koenig J, Jennum P, Vuust P

The effect of music on Blood Pressure and Heart Rate before PET- CT scanning.

Authors: Gerhardt, M.; Skøtt, C.W.; Holmboe, S.; Skads, L., Department of Clinical Physiology, Herlev Hospital, University of Copenhagen, Herlev, Denmark. Poster presented at EANM congress, München 2008

Medicine and Music, By Lars Heslet Professor, Dr. Med. The use of specially designed music in Intensive Care Unit 4131, Copenhagen University Hospital (Rigshospitalet) Denmark. Published June 2003.

Our Musical Brain, By Lars Heslet Professor, Dr. Med., Intensive Care Section 4131, Copenhagen University Hospital (Rigshospitalet) Denmark. Published November 2003.

'The Rest Nest' article - Report on Snoezelen inspired environment for individual use for children with ADHD, by Nanna Borum and Raimund Erken.

New article in Danish regarding treatment of delirium patients with the MusiCure Pillow:

Musik som komplimenterende behandlingsmetode til indlagte patienter med delir - Udarbejdet af: Camilla Engelstoft Hess, Klinisk sygeplejespecialist, cand.cur. Nefrologisk- og Endokrinologisk Afdeling H0842 Nordsjællands Hospital, Hillerød. Publiceret marts 2020