

小児タッチセラピー

利点と参考文献（英文）

利点

● 呼吸器系の機能を向上させる	1,2,3
● 成長と発達を促す	4,5,6,7,8,9,10,62
● 子供と養育者の間の健全な愛着と絆を深める	11,12,13,57
● 入院期間が短縮される	14,15
● 睡眠パターンが改善される	16,17,18,19,59
● 長期的な行動や発達検査のスコアが向上する	20,21,22,23
● 不安を軽減する	24,25,26, 58
● 小児の病状に伴う身体的症状および精神的不快感を和らげる	27,25,26,58
● 小児の病状に伴う身体的症状や精神的不快感を和らげるこ とができる	27,28,29,58,60
● ストレスホルモンを減少させる	30,31,32,33,34
● 免疫機能を向上させる	35,36,37,38,39,40
● 痛みを軽減できる	41,42,43,58
● 注意力を高めることができる	44,45
● 子供のケアに対する家族の満足度が向上する	46,47,48
● 運動機能や筋力の向上を促すことができる	49,50
● ポジティブな癒しの環境に貢献し、それが以下に影響する ことが示されている ・ 医療チームのメンバーの満足度、専門的な成長	51,52

● 便の回数が増える

55

● 自律神経系の活動を改善する

56

参考文献

1	Fattah, MA, Hamdy, B. (2011). Pulmonary functions of children with asthma improve following massage therapy. <i>Journal of Alternative and Complementary Medicine</i> , 17(11).
2	Pepino, Vanessa, Ribeiro, Jose Dirceu, et al. (2013). Manual Therapy For Childhood Respiratory Disease: A Systematic Review. <i>Journal of Manipulative and Physiological Therapeutics</i> , 36(1)
3	Hernandez-Reif, M, Field, T, Krasnegor. (1999). Children with cystic fibrosis benefit from massage therapy. <i>Journal of Pediatric Psychology</i> , 24(2): 175-181.
4	Field, T., Diego, M., & Hernandez-Reif, M. (2010a). Moderate pressure is essential for massage therapy effects. <i>International Journal of Neuroscience</i> , 210, 381-385.
5	Field, T., Diego, M., Hernandez-Reif, M. (2010b). Preterm infant massage therapy research: A review. <i>Infant Behavior and Development</i> , 33, 115-124.
6	Field, T., Diego, M., Hernandez-Reif, M., Dieter, J., Kumar, A., Schanberg, S., et al (2008). Insulin and insulin-like growth factor I (IGF-1) Increase in preterm infants following massage therapy. <i>Journal of Developmental and Behavioral Pediatrics</i> , 29, 463-466.
7	Weiss, W. J., Wilson, P. W., & Morrison, D. (2004). Maternal tactile stimulation and the neurodevelopment of low birth weight infants. <i>Infancy</i> , 5, 85-107.
8	Fallah R, Karbasi S, Golestan M, Fromandi M. (2013) Sunflower oil versus no oil moderate pressure massage leads to greater increases in weight in preterm neonates who are low birth weight. <i>Early Human Development</i> , 89:769-772.
9	Moyer-Mileur L, Haley S, Slater H et al. (2013)Massage improves growth quality by decreasing body fat deposition in male preterm infants. <i>J Pediatr</i> , 162(3):490-495.
10	DiegoM Field T, Hernandez-Reif M. (2014). Preterm infant weight gain is increased by massage therapy and exercise via different underlying mechanisms. <i>Early Hum Dev</i> , 90(3):137-140.

11	Goldstein-Ferber, S. (2004). <i>Massage therapy and sleep-wake rhythms in neonate</i> . In T. Field (ED.), <i>Touch and massage in early childhood development</i> (pp. 183-189). New Jersey: Johnson & Johnson Pediatric Institute.
12	O'Higgins, M., St. James Roberts, I., & Glover, V. (2008). Postnatal depression and mother and infant outcomes after infant massage. <i>Journal of Affective Disorders</i> , 109, 189-192.
13	Gurol, Ayse, Polat, Sevinc (2012). The Effects of Baby Massage on Attachment between Mother and their Infants. <i>Aisian Nursing Research</i> , 6, 35-41.
14	Mendes, E. W., Procianoy, R. S. (2008). <i>Massage therapy reduces length of hospital stay and occurrence of late-onset sepsis in very preterm neonates</i> . <i>Journal of Perinatology</i> , 28, 815-820.
15	Wang, L., He, JL, Zhang, H. (2013). <i>The efficacy of massage on preterm infants: a meta-analysis</i> . <i>American Journal of Perinatology</i> , 30(9), 731-738.
16	Ackerman, Sara L, Lown, EA, Dvorak, C. C. et al (2012). <i>Massage for Children Undergoing Hemotopoietic Cell Transplantation: A Qualitative Report</i> . <i>Evidence-Based Complementary and Alternative Medicine</i> , 2012.
17	Al-Rafay, Safy, S., & Eman, A. Ali (2013). <i>Effect of Massage on Sleep Disturbances of Children after Abdominal Surgeries</i> . <i>Journal of American Science</i> , 9(12).
18	Jacobs S, Mowbray C, Cates LM et al (2016) Pilot study of massage to improve sleep and fatigue in hospitalized adolescents with cancer. <i>Pediatr Blood Cancer</i> , 63:880-886
19	Ackerman S, Lown E, Dvorak C et al. (2012). <i>Massage for children undergoing hematopoietic cell transplantation; a qualitative report</i> . <i>Evidence-Based Complementary and Alternative Med</i> , article ID 792042, 9 pages.
20	Procianoy, R.S., Mendes, E. W., Silveira, R. C. (2010). <i>Massage therapy improves neurodevelopment outcomes at two years corrected age for very low birth weight infants</i> . <i>Early Human Development</i> , 86(1), 7-11.
21	Kemper, K. J., Shannon, S. ((2007). <i>Complementary and alternative medicine therapies to promote healthy moods</i> . <i>Pediatric Clinics of North America</i> , 54(6), 901-926.
22	Zebracki, K., Holzman, K., Bitter, K. J., et al (2007). <i>Brief report: use of complementary and alternative medicine and psychological functioning in Latino children with juvenile idiopathic arthritis or arthralgia</i> . <i>Journal of Pediatric Psychology</i> , 32(8), 1006-10.
23	Field, T. (2010). <i>Touch for socioemotional and physical well-being: A review</i> . <i>Developmental Review</i> , 30, 367-383

24	24. Celebioglu, Aya, Gurol, Ayse, et al. (2014). Effects of massage therapy on pain and anxiety arising from intrathecal therapy or bone marrow aspiration in children with cancer. <i>International Journal of Nursing Practice</i> . Zuhn, C. (2005). Cortisol decreases and serotonin and dopamine increase following massage therapy.
25	Guan, Ling, Collet, Jean-Paul, Yuskiv, Nataliya, et al (2014). The Effect of Massage Therapy on Autonomic Activity in Critically Ill Children. <i>Evidence-Based Complementary and Alternative Medicine</i> , 2014.
26	Field, T. (2014). Massage therapy research review. <i>Complementary Therapies in Clinical Practice</i> , 20, 224-229.
27	Guan, Ling, Collet, Jean-Paul, Yuskiv, Nataliya, et al (2014). The Effect of Massage Therapy on Autonomic Activity in Critically Ill Children. <i>Evidence-Based Complementary and Alternative Medicine</i> , 2014.
28	Field, T. (2014). Massage therapy research review. <i>Complementary Therapies in Clinical Practice</i> , 20, 224-229.
29	Suresh, S., Wang, S. Porfyris, S., Kamasinski-Sol, R., Steinhorn, D. M. (2008). Massage therapy in outpatient pediatric chronic pain patients: do they facilitate significant reductions in levels of distress, pain, tension, discomfort, and mood alterations? <i>Pediatric Anesthesia</i> , 18(9), 884-887.
30	Field, T., Hernandez-Reif, M., Diego, M., Schanberg, S., & Kuhn, C. (2005). Cortisol decreases and serotonin and dopamine increase following massage therapy. <i>International Journal of Neuroscience</i> , 115, 1397-1413.
31	Ishikawa, C., & Shiga, T. (2012). Massage changes babies' body, brain, and behavior. <i>Kansei Engineering International Journal</i> . 11, 109-114.
32	Smith, S., Haley, S., Slater, H., & Moyer-Mileur, L. J. (2013). Heart rate variability during caregiving and sleep after massage therapy in preterm infants. <i>Early human development</i> , 89(8), 525-529.
33	Hernandez-Reif, M., Diego, M., & Field, T. (2007). Preterm Infants Show Reduced Stress Behaviors and Activity after 5 days of Massage Therapy. <i>Infant Behav Dev.</i> , 30(4), 557-61.
34	Neu M, Pan Z, Workman R et al. (2014) Benefits of massage therapy for infants with symptoms of gastroesophageal reflux disease. <i>Biological Res for Nursing</i> , 16(4):387-397.
35	Post-White, J., Fitzgerald, M., Savik, K., Hooke, M. C., Hannahan, A. B., & Sencer, S. F. (2009). Massage therapy for children with cancer. <i>Journal of Pediatric Oncology</i>

	Nursina. 26. 16-28.
36	Field, T. Diego, M., & Hernandez-Reif, M. (2006). Massage therapy research. Developmental Review, 27,75-89.
37	Diego, M. A., Hernandez-Reif, M., Field, T., Friedman, L., & Shaw, K. (2001). HIV adolescents show improved immune function following massage therapy. International Journal of Neuroscience, 106, 35-45.
38	Shor-Posner, G., Hernandez-Reif, M., Miguez, M. J., Fletcher, M., et al (2006). Impact of a massage therapy clinical trial on immune status in young Dominican children infected with HIV-1. Journal of Alternative and Complementary Medicine, 12(6), 511-6.
39	Field, T. (2010). Touch for socioemotional and physical well-being: A review. Developmental Review, 30, 367-83.
40	Ang J, Lua J, Mathur A et al (2012). A randomized placebo-controlled trial of massage therapy on the immune system of preterm infants. Pediatrics, 130:e1549-e1558.
41	Suresh, S., Wang, S., et al (2008). Massage therapy in outpatient pediatric chronic pain patients: Do they facilitate significant reductions in levels of distress, pain, tension, discomfort, and mood alterations? Paediatric Anaesthesia, 18, 884-887.
42	Parlak Gurol, A., Polat, S., Akcay, M. N. (2010). Itching, pain, and anxiety levels are reduced with massage therapy in burned adolescents. J Burn Care Res., 30(3), 429-32.
43	Haun, J. N., Graham-Pole, J., Shortly, B. (2009). Children with cancer and blood disease experience positive physical and psychological effects from massage therapy. International Journal of Therapeutic Massage and Bodywork, 2(2), 7-14.
44	Field, T., Diego, M., & Hernandez-Reif, M. (2006). Massage therapy research. Developmental Review, 27, 75-89.
45	Diego, M., A., Field, T. Sanders, C., & Hernandez-Reif, M. (2004). Massage therapy of moderate and light pressure and vibrator effects on EEG and heart rate. International Journal of Neuroscience, 114, 31-45.
46	Powell, L., Cheshire, A., & Swaby, L. (2010). Children's experiences of their participation in a training and support programme involving massage. Complementary Therapies in Clinical Practice, 16, 47-51.
47	Barlow, J. H., Cullen-Powell, L. A., & Williams, H. (2007). The training and support program for parents of children with ataxia: A pilot study. Psychology, Health & Medicine, 12(1), 64-69.
48	Livingston, K., Beider, S., Kant, A. J., Gallardo, C. C., Joseph, M. H., & Gold, J. I.

	92009). Touch and massage for medically fragile infants. <i>Evidence-Based Complementary and Alternative Medicine</i> , 6(4), 473-82.
49	Hernandez-Reif, M., Field, T., Largie, S., Diego, M., Manigat, N., Seoanes, J., & Bornstein, J. (2007). Cerebral symptoms in children decreased following massage therapy. <i>Early Child Development and Care</i> , 175(5), 445-456.
50	Hernandez-Reif, M., Field, T., Largie, S., Mora, D., Bornstein, J., & Waldman, R. (2006). Children with Down syndrome improved in motor functioning and muscle tone following massage therapy. <i>Early Child Development and Care</i> , 176(3).
51	Powell, L. Stapley, J. (2008). Training parents of children with life-long and life-limiting conditions in the art of massage. <i>Complementary Therapies in Clinical Practice</i> , 14, 237-243.
52	Arabi, R., Neill, J., & Hutton, A. (2012). Neonatal Intensive Care Unit in Malaysia: Staff Nurses' Positive Experiences. <i>Journal of Nursing Care</i> , 1(3).
53	Buttle, S., McMurtry, M., & Marshall, S. (2011) Massage for pain relief in pediatric palliative care: Potential benefits and challenges. <i>Pediatric Pain Letter</i> , 13(3).
54	Tsao, J. C. (2007). Effectiveness of massage therapy for chronic, non-malignant pain: A review. <i>Evidence-Based Complementary and Alternative Medicine</i> , 4(2), 165-179.
55	Lin C, Yang H, Cheng C, Yen C. (2015) Effects of infant massage on jaundiced neonates undergoing phototherapy. <i>Italian J Pediatr</i> , 41:94-100.
56	Guan L, Collet J, Yuskviv N et al (2014). The effect of massage therapy on autonomic activity in critically ill children. <i>Evidence-Based Complementary and Alternative Med.</i> , Article ID 656750, 8 pages.
57	Zhu Y, Romitti PA, Conway KM et al. (2014) Complementary and alternative medicine for Duschenne and becker Muscualr Dystrophies: Characteristic of users and Caregivers. <i>Pediatr Neurol</i> 51(1):71-77.
58	Celebioglu A, Gurol A, Yildirim ZK et al. (2015) Effects of massage therapy on pain and anxiety arising from intrathecal therapy or bone marrow aspiration in children with cancer. <i>Int J Nurs Pract</i> , 21(6):797-804.
59	Jacobs S, Mowbray C, Cates LM et al. (2016) Pilot study of massage to improve sleep and fatigue in hospitalized adolescents with cancer. <i>Pediatr Blood Cancer</i> , 63(5):880-6.
60	Azima S, Bakhshavesh HR, Kaviani M et al. (2015) Comparison of the effect of massage therapy and isometric exercises on primary dysmenorrhea. A randomized controlled clinical trial. <i>J Pediatr Adolesc Gynecol</i> , 28(6):486-91

61	van Diik M, O'Flaherty LA, Hoedemaker T et al. (2018) Massage has no observable effect on distress in children with burns: a randomized observer blinded trial. Burns, 44(1):99-107.
62	Niemi A. Review of randomized controlled trials of massage in preterm infants. (2017) Children4,21; doi:10.3390/children4040021