

References

- Aghapour, E., Kamali, F., & Sinaei, E. (2017). *Effects of Kinesio Taping® on knee function and pain in athletes with patellofemoral pain syndrome*. 21(4), 835–839. <https://doi.org/doi.org/10.1016/j.jbmt.2017.01.012>.
- Asriningrum, A., Poerwandari, D., Andriati, A., & Soenarnatalina, S. (2019). Elastic Taping's Effect on Exercise Capacity in Recreational Runner with Inspiratory Muscle Training. *Surabaya Physical Medicine and Rehabilitation Journal*, 1(1), 25. <https://doi.org/10.20473/spmrj.v1i1.16166>
- Bolia, I. K., Gammons, P., Scholten, D. J., Weber, A. E., & Waterman, B. R. (2020). Operative Versus Nonoperative Management of Distal Iliotibial Band Syndrome—Where Do We Stand? A Systematic Review. *Arthroscopy, Sports Medicine, and Rehabilitation*, 2(4), e399–e415. <https://doi.org/10.1016/j.asmr.2020.04.001>
- Boobphachart, D., Manimmanakorn, N., Manimmanakorn, A., Thuwakum, W., & Hamlin, M. J. (2017). Effects of elastic taping, non-elastic taping and static stretching on recovery after intensive eccentric exercise. *Research in Sports Medicine*, 25(2), 181–190. <https://doi.org/10.1080/15438627.2017.1282360>
- Bravi, R., Cohen, E., Quarta, E., Martinelli, A., & Minciocchi, D. (2016). Effect of Direction and Tension of Kinesio Taping Application on Sensorimotor Coordination. *International Journal of Sports Medicine*, 37(11), 909–914. <https://doi.org/10.1055/s-0042-109777>
- Cai, C., Au, I. P. H., An, W., & Cheung, R. T. H. (2016). Facilitatory and inhibitory effects of Kinesio tape: Fact or fad? *Journal of Science and Medicine in Sport*, 19(2), 109–112. <https://doi.org/10.1016/j.jsams.2015.01.010>
- Charles, D., & Rodgers, C. (2020). *A Literature Review and Clinical Commentary on the Development of Iliotibial Band Syndrome in Runners / The International Journal of Sports Physical Therapy/*. 15, 3. <https://doi.org/10.26603/ijspt20200460>
- Choi, I.-R., & Lee, J.-H. (2018). Effect of kinesiology tape application direction on quadriceps strength. *Medicine*, 97(24), e11038. <https://doi.org/10.1097/MD.00000000000011038>
- Christine, N., Stefanus, A. L., & Adelle, D. C. (2018). *Pengaruh Kinesio taping terhadap Peningkatan Mobilitas dan Kemampuan Fungsional Pada Osteoarthritis Lutut*. 1(1), 7.
- Conway, C. (2019). *Kinesio® Tape Therapy versus Spinal Manipulative Therapy in the treatment of Iliotibial Band Friction Syndrome* [University of Johannesburg]. <https://ujcontent.uj.ac.za/vital/access/services/Download/uj:31828/SOURCE1>

- Demirci, S., Kinikli, G. I., Callaghan, M. J., & Tunay, V. B. (2017). Comparison of short-term effects of mobilization with movement and Kinesiotaping on pain, function and balance in patellofemoral pain. *Acta Orthopaedica et Traumatologica Turcica*, 51(6), 442–447. <https://doi.org/10.1016/j.aott.2017.09.005>
- Ferreira, R., Resende, R., & Roriz, P. (2017). The Effects of the Kinesio Taping® in Lower Limb Musculoskeletal Disorders: A Systematic Review. *International Journal of Therapies and Rehabilitation Research*, 6(2), 1. <https://doi.org/10.5455/ijtrr.000000266>
- Flato, R., Passanante, G. J., Skalski, M. R., Patel, D. B., White, E. A., & Matcuk, G. R. (2017). The iliotibial tract: Imaging, anatomy, injuries, and other pathology. *Skeletal Radiology*, 46(5), 605–622. <https://doi.org/10.1007/s00256-017-2604-y>
- Günay, E., Sarıkaya, S., Özdolap, Ş., & Büyükuysal, Ç. (2017). Effectiveness of the kinesiotaping in the patellofemoral pain syndrome. *Turkish Journal of Physical Medicine and Rehabilitation*, 63(4), 299–306. <https://doi.org/10.5606/tftrd.2017.711>
- Guner, S., Alsancak, S., & Koz, M. (2015). Effect of two different kinesio taping techniques on knee kinematics and kinetics in young females. *Journal of Physical Therapy Science*, 27(10), 3093–3096. <https://doi.org/10.1589/jpts.27.3093>
- Hulteen, R. M., Smith, J. J., Morgan, P. J., Barnett, L. M., Hallal, P. C., Colyvas, K., & Lubans, D. R. (2017). Global participation in sport and leisure-time physical activities: A systematic review and meta-analysis. *Preventive Medicine*, 95, 14–25. <https://doi.org/10.1016/j.ypmed.2016.11.027>
- Jiménez Díaz, F., Gitto, S., Sconfienza, L. M., & Draghi, F. (2020). Ultrasound of iliotibial band syndrome. *Journal of Ultrasound*, 23(3), 379–385. <https://doi.org/10.1007/s40477-020-00478-3>
- Kul, A., & Ugur, M. (2019). Comparison of the Efficacy of Conventional Physical Therapy Modalities and Kinesio Taping Treatments in Shoulder Impingement Syndrome. *The Eurasian Journal of Medicine*, 51(2), 138–143. <https://doi.org/10.5152/eurasianjmed.2018.17421>
- Kumbrink, B. (2012). The K-Taping Method. In B. Kumbrink, *K Taping* (pp. 1–11). Springer Berlin Heidelberg. https://doi.org/10.1007/978-3-642-12932-2_1
- Luz Júnior, M. A. D., Almeida, M. O. D., Santos, R. S., Civile, V. T., & Costa, L. O. P. (2019). Effectiveness of Kinesio Taping in Patients With Chronic Nonspecific Low Back Pain: A Systematic Review With Meta-analysis. *Spine*, 44(1), 68–78. <https://doi.org/10.1097/BRS.0000000000002756>
- Malfliet, A., Ickmans, K., Huysmans, E., Coppieters, I., Willaert, W., Van Bogaert, W., Rheel, E., Bilterys, T., Van Wilgen, P., & Nijs, J. (2019). Best Evidence Rehabilitation for Chronic Pain Part 3: Low Back Pain. *Journal of Clinical Medicine*, 8(7), 1063. <https://doi.org/10.3390/jcm8071063>

- Maselli, F., Storari, L., Barbari, V., Colombi, A., Turolla, A., Gianola, S., Rossetini, G., & Testa, M. (2020). Prevalence and incidence of low back pain among runners: A systematic review. *BMC Musculoskeletal Disorders*, *21*(1), 343. <https://doi.org/10.1186/s12891-020-03357-4>
- Migliorini, S., Merlo, M., & Migliorini, L. (2020). Iliotibial Band Syndrome (ITBS). In S. Migliorini (Ed.), *Triathlon Medicine* (pp. 81–95). Springer International Publishing. https://doi.org/10.1007/978-3-030-22357-1_6
- Öztürk, G., Külcü, D. G., Mesci, N., Şilte, A. D., & Aydog, E. (2016). Efficacy of kinesio tape application on pain and muscle strength in patients with myofascial pain syndrome: A placebo-controlled trial. *Journal of Physical Therapy Science*, *28*(4), 1074–1079. <https://doi.org/10.1589/jpts.28.1074>
- Pantelis T. Nikolaidis, Thomas Rosemann, & Beat Knechtle. (2018). Sex Differences in the Age of Peak Marathon Race Time. *The Chinese Journal of Physiology*, *61*(2). <https://doi.org/10.4077/CJP.2018.BAG535>
- Peacock, J. (2017). Iliotibial Band Syndrome. In S. B. Kahn & R. Y. Xu (Eds.), *Musculoskeletal Sports and Spine Disorders* (pp. 247–249). Springer International Publishing. https://doi.org/10.1007/978-3-319-50512-1_55
- Rasti, Z. A., & Shamsoddini, A. (2018). The Short-Term and Long-Term Effects of Kinesio Taping on the Pain, Range of Motion and Disability of Neck in Patients with Myofascial Pain Syndrome: A Randomized Clinical Trial. *Trauma Monthly, In Press*(In Press). <https://doi.org/10.5812/traumamon.69226>
- Ridding, M. C., Brouwer, B., Miles, T. S., Pitcher, J. B., & Thompson, P. D. (2000). Changes in muscle responses to stimulation of the motor cortex induced by peripheral nerve stimulation in human subjects. *Experimental Brain Research*, *131*(1), 135–143. <https://doi.org/10.1007/s002219900269>
- Romano, V., Smith, K., Hanes-Romano, K., & Chambers, J. (2021). Kinesio Tape 14-Day Application Cycle: A Case Study. *Integrative Journal of Medical Sciences*, *8*. <https://doi.org/10.15342/ijms.2021.392>
- Serrão, J. C., Mezêncio, B., Claudino, J. G., Soncin, R., Miyashiro, P. L. S., Sousa, E. P., Borges, E., Zanetti, V., Phillip, I., Mochizuki, L., & Amadio, C. (2016). Effect of 3 Different Applications of Kinesio Taping Denko® on Electromyographic Activity: Inhibition or Facilitation of the Quadriceps of Males during Squat Exercise. *15*, 403–409.

- Shen, P., Mao, D., Zhang, C., Sun, W., & Song, Q. (2019). Effects of running biomechanics on the occurrence of iliotibial band syndrome in male runners during an eight-week running programme—A prospective study. *Sports Biomechanics*, 1–11. <https://doi.org/10.1080/14763141.2019.1584235>
- Sher, I., Umans, H., Downie, S. A., Tobin, K., Arora, R., & Olson, T. R. (2011). Proximal iliotibial band syndrome: What is it and where is it? *Skeletal Radiology*, 40(12), 1553–1556. <https://doi.org/10.1007/s00256-011-1168-5>
- Tian, F., Li, N., Zheng, Z., Huang, Q., Zhu, T., Li, Q., Wang, W., Tsai, T.-Y., & Wang, S. (2020). The effects of marathon running on three-dimensional knee kinematics during walking and running in recreational runners. *Gait & Posture*, 75, 72–77. <https://doi.org/10.1016/j.gaitpost.2019.08.009>
- Trofa, D. P., Obana, K. K., Herndon, C. L., Noticewala, M. S., Parisien, R. L., Popkin, C. A., & Ahmad, C. S. (2020). The Evidence for Common Nonsurgical Modalities in Sports Medicine, Part 1: Kinesio Tape, Sports Massage Therapy, and Acupuncture. *Journal of the American Academy of Orthopaedic Surgeons Global Research and Reviews*, 4(1). <https://doi.org/10.5435/JAAOSGlobal-D-19-00104>
- Wageck, B., Nunes, G. S., Bohlen, N. B., Santos, G. M., & de Noronha, M. (2016). Kinesio Taping does not improve the symptoms or function of older people with knee osteoarthritis: A randomised trial. *Journal of Physiotherapy*, 62(3), 153–158. <https://doi.org/10.1016/j.jphys.2016.05.012>
- Waldman, S. D. (2019). Runner's Knee. In *Atlas of Common Pain Syndromes* (pp. 440–444). Elsevier. <https://doi.org/10.1016/B978-0-323-54731-4.00111-0>
- Wu, W.-T., Hong, C.-Z., & Chou, L.-W. (2015). The Kinesio Taping Method for Myofascial Pain Control. *Evidence-Based Complementary and Alternative Medicine*, 2015, 1–9. <https://doi.org/10.1155/2015/950519>
- Yang, L., Yang, J., & He, C. (2018). The Effect of Kinesiology Taping on the Hemiplegic Shoulder Pain: A Randomized Controlled Trial. *Journal of Healthcare Engineering*, 2018, 1–7. <https://doi.org/10.1155/2018/8346432>
- Zein, M. I. (2018). *Kinesiotaping In Sport Medicine: Pemasangan Kinesio Taping Pada Kasus Cedera Olahraga*. Istana Agency.

Tables

Table 1. Karakteristik demografis

Karakteristik Responden	Frekuensi	Persentase (%)
Jenis Kelamin		
Laki-laki	14	93.3
Perempuan	1	6.7
Fase Cedera		
Akut (< 1 Minggu)	3	20
Sub-akut (1-12 Minggu)	5	33.3
Kronik (> 12 Minggu)	7	46.7
Usia (Tahun)		
Remaja (18-19)	1	6.67
Dewasa (20-24)	14	9.93
IMT		
Normal	14	93.3
<i>Overweight</i>	1	6.7
Jenis Pelari		
Pemula (< 3 Bulan)	7	46.7
Rekreasi (3-12 Bulan)	8	53.3

Table 2. Analisis *pre test* dan *post test* pemasangan *kinesio taping*

Variabel	n	Pre Test	Post Test			
Fungsi Ekstremitas Bawah	15	Mean±SD	Mean±SD	Mean Range	<i>p</i>	<i>d</i>
		66.80±5.17	76.67±0.97	9.87	<0.001	2.09

Table 3. Analisis hubungan fase cedera dengan perubahan fungsi ekstremitas bawah

Fase Cedera (%)	Fungsi Ekstremitas Bawah		Total	<i>p</i>
	Berubah	Tidak Berubah		
Akut	3 (100)	0 (0.0)	3 (20.0)	0.003
Sub-akut	5 (100)	0 (0.0)	5 (33.3)	
Kronik	1 (14.3)	6 (85.7)	7 (46.7)	

Fig 1.



Fig 2.

