

CURRICULUM VITAE

Name and Surname: Zeynep HOŞBAY

Academic Title: Professor Dr.

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Area of Expertise: Health Sciences

Degree	Department/Program	University	Year
Doctorate	FİZYOTERAPİ REHABİLİTASYON (DR)	İstanbul University	2013
Master's Degree	GELİŞİM NÖROLOJİSİ (YL) (TEZLİ)	İstanbul University	2003
Bachelor's Degree	FİZİK TEDAVİ VE REHABİLİTASYON PR.	İstanbul University	1999

Master's Thesis Title (abstract attached) and Thesis Supervisor(s):

Riskli yenidoğanlarda nöromotor gelişimin bayley infant gelişim skalası, alberta infant motor skalası ve milani-comparetti motor gelişim tarama testi ile değerlendirilmesi ve sonuçlarının karşılaştırılması

Doctoral Thesis/Proficiency Study/Medical Specialization Thesis Title (abstract attached) and Supervisor(s):

Omuz tendon transferi yapılmış brakiyal pleksuslu olgularda kişi merkezli ergoterapi eğitiminin aktivite performansı üzerine etkisi

Position Title	Workplace	Year
Associate Professor	Biruni University	2019-2024
Assistant Professor	Biruni University	2018-2019
Assistant Professor	Bezmiâlem Vakıf University	2015-2018

Supervised Master's Theses:

1. Distal radius uç kırıkları sonrası el bileği eklem limitasyonunda proprioseptif nöromusküler fasilitasyon temelli germe ile mulligan mobilizasyonunun kinezyofobi ve propriosepsiyon üzerine etkisi (2024)
2. Hemiplejik üst ekstremitede omuz ağrısının üst ekstremitte fonksiyonelliği ve yaşam kalitesine etkisi (2018)
3. Laktasyon dönemindeki bayanlarda görülen boyun ve bel ağrı seviyelerinin incelenmesi (2017)
4. Diz üstü amputelerde vücut imajı algısının ve proteze uyumun kognitif performansına etkisi (2017)

Administrative Duties:

1. Deputy Institute Director - Biruni University (2022 - 2023)
2. Ethics Committee Member - Biruni University (2018 - Continues)
3. BAP Scientific Commission Member - Bezmiâlem Vakıf University (2017 - 2018)

PUBLICATIONS

A. Articles published in international peer-reviewed journals:

- A1.** Atlı E., Topaloğlu M., Hoşbay Z., Özdiñçler A., "Measuring shoulder abduction strength using 2 different dynamometers: comprehensive intrarater and interrater reliability and validity", *Acta orthopaedica et traumatologica turcica*, vol. 59, no. 5, pp. 259, 2025.
- A2.** Yıldırım A., Hoşbay Z., Uçgun H., "The effect of Baduanjin exercise training on balance and fall risk in elderly individuals: A randomized controlled trial", *Medicine (United States)*, vol. 104, no. 18, 2025.
- A3.** Utku Umut G., Dayican D. K., Özyürek B., Hoşbay Z., "Electromyographic Activity of the Transversus Abdominis and Erector Spinae Muscles During the Y-Balance Test Elektromyografische Aktivitäten der Muskeln Transversus Abdominis und Erector Spinae während des Y-Balance-Tests", *Sportverletzung-Sportschaden*, 2025.
- A4.** Ülker Ekşi B., Kısa E. P., Ertan Harputlu Ö., Kara Kaya B., Hoşbay Z., Akıncı B., "Exploring Medium- and Long-Term Respiratory and Functional Sequelae in Young Adults Post-COVID-19", *Medicina (Lithuania)*, vol. 61, no. 1, 2025.
- A5.** Utku Umut G., Hoşbay Z., Tanrıverdi M., Yılmaz G. G., Altaş O., Korucu A., Aydın A., "Obstetric Brachial Plexus Palsy and Functional Implications: Which Joint in the Upper Extremity Is More Closely Associated?", *Medicina (Lithuania)*, vol. 60, no. 11, 2024.
- A6.** Yıldırım A., Özyılmaz S., Aksoy A., Hoşbay Z., "The effect of instrument-assisted soft tissue mobilization in lumbar disc herniation: A randomized controlled trial", *Journal of Bodywork and Movement Therapies*, vol. 40, pp. 424-429, 2024.
- A7.** Hoşbay Z., Utku Umut G., Tanrıverdi M., Altaş O., Aydın A., "Effect of Muscle Strength on Functionality after Shoulder Tendon Transfer in Brachial Plexus Birth Injury: Is There a Relationship between Them?", *Children*, vol. 11, no. 9, 2024.
- A8.** Durgut E., Gürses H. N., Bilsel K., Alpay K., Hoşbay Z., Uzer G., Yıldız F., Elmalı N., "Short-Term Effects of Cold Therapy and Kinesio Taping on Pain Relief and Upper Extremity Functionality in Individuals with Rotator Cuff Tendonitis: A Randomized Study", *Medicina (Lithuania)*, vol. 60, no. 8, 2024.
- A9.** Tanrıverdi M., Hoşbay Z., Aydın A., "Quality of upper extremity skills and disability inventory via manual ability classification in children with neonatal brachial plexus palsy", *Disability and Rehabilitation*, vol. 46, no. 2, pp. 407-413, 2024.
- A10.** Tanrıverdi M., Hoşbay Z., Aydın A., "Upper-limb function in Brachial Plexus birth palsy: Does the Pediatric Outcomes Data Collection Instrument correlate with the Brachial Plexus Outcome Measure? Fonction des membres supérieurs dans la paralysie néonatale du plexus brachial: l'instrument de collecte des données sur les résultats pédiatriques est-il corrélé à la mesure des résultats sur le plexus brachial?", *Hand Surgery and Rehabilitation*, vol. 41, no. 2, pp. 252-257, 2022.
- A11.** Hoşbay Z., Tarakçı E., Aydın A., Özdiñçler A., "The Effects of Supervised Intensive Exercises Programme on Activity Performance Following Tendon Transfers in Brachial Plexus Birth Injury", *Türkiye Klinikleri*, 2020.
- A12.** Kepenek Varol B., Hoşbay Z., "Is short-term hand therapy effective in a child with congenital radioulnar synostosis? A case report", *Journal of Hand Therapy*, vol. 33, no. 3, pp. 435-442, 2020.
- A13.** Hoşbay Z., Özkan S., Tanrıverdi M., Aydın A., "Response to Letter to editor about the article "Hosbay et al. Reliability and validity of the brachial plexus outcome measure in children with obstetric brachial plexus palsy. J Hand Ther. 2019 32(3):382-387", *Journal of Hand Therapy*, 2020.
- A14.** Kepenek Varol B., Hoşbay Z., Torun E., Varol S., "Assessment of motor development using the alberta infant motor scale in full-term infants", *The Turkish Journal of Pediatrics*, vol. 62, no. 1, pp. 94, 2020.
- A15.** Hoşbay Z., Özkan S., Tanrıverdi M., Aydın A., "Reliability and validity of the Brachial Plexus Outcome Measure in children with obstetric brachial plexus palsy", *Journal of Hand Therapy*, vol. 32, no. 3, pp. 382-387, 2019.
- A16.** Gozaydinoglu S., Hoşbay Z., Durmaz H., "Body image perception, compliance with a prosthesis and cognitive performance in transfemoral amputees", *Acta Orthopaedica et Traumatologica Turcica*, vol. 53, no. 3, pp. 221-225, 2019.
- A17.** Tanrıverdi M., Hoşbay Z., Algun Z. C., "The relationship of pain on the upper extremity functions and quality of life in patients with carpal tunnel syndrome", *Journal of Back and Musculoskeletal Rehabilitation*, vol. 32, no. 1, pp. 71-76, 2019.
- A18.** Hoşbay Z., Güneren E., "Treatment of Mallet Finger Deformity with Ring Splint", *BEZMIALEM SCIENCE*, vol. 6, no. 3, pp. 212-216, 2018.
- A19.** Hoşbay Z., Tanrıverdi M., Tarakçı E., Aydın A., Ozdincler A. R., "The relationship between range of motion and function of upper extremity in obstetric brachial plexus palsy patients treated with tendon transfer", *Iranian Journal of Pediatrics*, vol. 27, no. 6, 2017.
- A20.** Kostanoğlu A., Hoşbay Z., Tarakçı E., "Lymphoedema functioning, disability and health questionnaire Turkish version: Translation, cross-cultural adaptation and validation", *Journal of Physical Therapy Science*, vol. 28, no. 6, pp. 1728-1732, 2016.
- A21.** Ozkan T., Bicer A., Aydın H., Tuncer S., Aydın A., Hoşbay Z., "Brachialis muscle transfer to the forearm for the treatment of deformities in spastic cerebral palsy", *Journal of Hand Surgery: European Volume*, vol. 38E, no. 1, pp. 14-21, 2013.
- A22.** Hoşbay Z., Aydın N., Ekici B., Tatlı B., Çalışkan M., "Can Alberta infant motor scale and milani comparetti motor development screening test be rapid alternatives to bayley scales of infant development-II at high-risk infants", *Annals of Indian Academy of Neurology*, vol. 15, no. 3, pp. 196-199, 2012.
- A23.** Aydın A., Biçer A., Zkan T., Mersa B., Zkan S., Hoşbay Z., "Does primary brachial plexus surgery alter palliative tendon transfer surgery outcomes in children with obstetric paralysis?", *BMC Musculoskeletal Disorders*, vol. 12, no. 1, 2011.
- A24.** Aydın A., Özkan T., Aydın H. U., Topalan M., Erer M., Özkan S., Hoşbay Z., "The results of surgical repair of sciatic nerve injuries", *Acta Orthopaedica et Traumatologica Turcica*, vol. 44, no. 1, pp. 48-53, 2010.

A25. Ozkan T., Tuncer S., Aydın A., Hoşbay Z., Gulgonen A., "Brachioradialis re-routing for the restoration of active supination and correction of forearm pronation deformity in cerebral palsy", *Journal of Hand Surgery*, vol. 29B, no. 3, pp. 265-270, 2004.

A26. Aydın A., Topalan M., Mezdeği A., Sezer İ., Özkan T., Erer M., Hoşbay Z., "Zon 2 Fleksör tendon yaralanmalarında tendon protezi ile fleksör tendoplasti uygulamalarımız", *Acta Orthop Traumatol Turc*, vol. 37, no. 5, pp. 374-378, 2003.

D. Articles published in national peer-reviewed journals:

D1. Akıncı B., Kara Kaya B., Kısa E. P., Koçyiğit A., Hoşbay Z., Özdiñçler A., "The Effects of Covid-19 in Respiratory Functions and Exercise Capacity: A Pilot Study in Young Adults", *Global Journal of Respiratory Care*, vol. 7, 2021.

D2. Hoşbay Z., Tanrıverdi M., "Is active rowing time associated with lateral epicondylitis symptoms in rowers?", *Journal of Exercise Therapy and Rehabilitation*, vol. 6, no. 1, pp. 1-6, 2019.

D3. Hoşbay Z., Özkan S., Tanrıverdi M., Aydın A., "Inter-Observer Reliability of Brachial Plexus Outcome Measure in Children with Brachial Plexus Palsy", *Selçuk Tıp dergisi*, 2019.

D4. Tırınk Kayacı H., Hoşbay Z., Tanrıverdi M., "Laktasyon Dönemindeki Kadınların Bel ve Boyun Ağrı Seviyelerininİncelenmesi", *Manisa Celal Bayar Üniversitesi Sağlık Bilimleri Enstitüsü Dergisi*, vol. 5, no. 4, pp. 187-191, 2018.

D5. Aydın A., Hoşbay Z., Biçer A., Bilir F., Acar G., Özkan S., Özmen M., Erer M., "Doğum felcinde botulinum A toksini uygulamaları", *El ve Mikrocerrahi*, vol. 1, no. 3, pp. 89-94, 2013.