



◆ **Research Article**

## An Investigation of the Relationship between Fingerprints and Anaerobic Powers of Sports Sciences Students


Haci İsmail ÇINGİ\*\*

 0000-0001-9298-4323

Sadettin ÇALDIRAN†\*

 0000-0002-2489-0269

Mustafa YILMAZ‡

 0000-0001-7686-5711

Ömer ÇINGİ\*

 0009-0000-8465-0016

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### ABSTRACT

In this study, the relationship between fingerprints and the anaerobic power of athletes was analyzed in a random sample group in correlation type. Fingerprints have been used electronically for identification in forensic criminology and authentication in business and social life with the development of dermatoglyphics science in the last century and the understanding that fingerprints are unique to the individual. Today, it is known that much research is being carried out to determine genetic characteristics, heredity, gender, character, and ability analysis from fingerprints. In this study, the height and weight measurements of 126 athletes from Cumhuriyet University Faculty of Sports Sciences were taken with the appropriate sampling method, and the vertical jump test was applied to the individuals. The anaerobic power of the athletes was calculated with these collected data. The coding method determined 10 fingerprints of the same sample group, and fingerprint classes and attributes were determined by observation. According to the findings obtained from the data analysis, a significant difference was observed between the anaerobic powers of the athletes according to their fingerprint classes. The anaerobic power of athletes with W2 Normal fingerprint codes has been observed to be higher than those without W2. However, it has been observed that fingerprints in certain codes increase and decrease in direct proportion to anaerobic power. In light of the data obtained in this study, limited but meaningful data were obtained in the direction of detecting sportive skills from fingerprints.

\*1 **Corresponding Author:** Haci İsmail Çıngı (Yüksek Lisans Öğrencisi), Cumhuriyet Üniversitesi, Eğitim Fakültesi, Eğitimin Felsefi, Sosyal ve Tarihi Temelleri Anabilim Dalı, Sivas, Türkiye ✉ [haciismailcingi46@gmail.com](mailto:haciismailcingi46@gmail.com)

\*2 Sadettin Çaldıran (Yüksek Lisans Öğrencisi), Cumhuriyet Üniversitesi, Beden eğitimi ve Spor Anabilim Dalı, Sivas, Türkiye ✉ [sadettincaldiran@gmail.com](mailto:sadettincaldiran@gmail.com)

‡3 Mustafa Yılmaz (Uzm. Psikolojik Danışman), Milli Eğitim Bakanlığı, Fatma Temel Turhan Bilim ve Sanat Merkezi, Yozgat, Türkiye ✉ [yilmazmustafa.pdr@gmail.com](mailto:yilmazmustafa.pdr@gmail.com)

\*4 Ömer Çıngı (Yüksek Lisans Öğrencisi), Topkapı Üniversitesi, Güvenlik Bilimleri ve Uygulamaları Anabilim Dalı, Kıbrıs ✉ [omercingi100@gmail.com](mailto:omercingi100@gmail.com)

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