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.(Gaard, 1996)  
(Golds, 2002)

.(Roper,1995)  
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(Roper, 1983)

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.(Jian, 2000)

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(Wang, 1991) -

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(Benefice, and Ndiaye, 2005) -

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(Hastad and Lacy,1998) :

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	f					
0.001	60.73	0.677	0.677	0.823		1
0.001	20.004	0.135	0.811	0.901		2
0.001	28.34	0.097	0.908	0.953		3
0.001	9.013	0.024	0.932	0.965		4
0.001	17.004	0.028	0.959	0.979		5
0.001	8.903	0.011	0.970	0.985		6
0.001	12.44	0.010	0.981	0.990		7
0.001	51.33	0.013	0.994	0.997		8
0.001	35.40	0.004	0.998	0.999		9
0.001	19.72	0.001	0.999	0.999		10

.( 0.05 ≥ α )

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(Bunn,1972)

(Gaard,1996)

(Roper,1983)

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(0.392)

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	f					
0.001	12.83	0.307	0.307	0.554		1
0.001	12.40	0.213	0.519	0.721		2
0.007	8.54	0.116	0.635	0.797		3
0.001	21.36	0.165	0.800	0.894		4
0.133	2.41	-0.019	0.781	0.884		5
0.001	106.63	0.176	0.957	0.978		6
0.001	32.29	0.024	0.981	0.991		7
0.001	12.86	0.007	0.998	0.994		8
0.021	21.12	0.006	0.994	0.997		9
0.012	6.20	0.001	0.995	0.999		10
0.001	7.48	0.001	0.996	0.998		11

.(0.05 ≥ α) \*

(4)

	f					
0.001	18.723	0.392	0.392	0.626		1

.(0.05 ≥ α) \*

(5)

(Jensen and Schultz,

.1970)

(0.154)

(6)

(0.251)

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(0.125)

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(0.073)

.(Kreighbaum and Barthels,1990)

(5)

	<b>f</b>					
0.029	5.270	0.154	0.154	0.392		1

.(0.05 ≥ α)

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	<b>f</b>					
0.004	9.732	0.251	0.251	0.501		1
0.001	15.004	0.261	0.512	0.716		2
0.005	9.329	0.125	0.638	0.799		3
0.016	6.574	0.073	0.711	0.843		4
0.022	6.005	0.056	0.767	0.876		5
0.002	12.706	0.081	0.848	0.921		6
0.376	12.01	0.051	0.900	0.949		7
0.001	0.816	-0.004	0.890	0.947		8
0.043	25.629	0.005	0.951	0.975		9
0.018	4.62	0.009	0.959	0.980		10
0.021	6.58	0.010	0.969	0.984		11
0.001	6.26	0.007	0.976	0.988		12
0.001	86.48	0.019	0.996	0.988		13

.( 0.05 ≥ α)

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.(Jensen and Schultz, 1970)

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(Jensen and Schultz, 1970)

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## **Anthropometric Indicators Contributing to some Physical Abilities among Junior Arab Badminton Players**

*Ahmad Alsheshany, Moen Al Khalaf and Aman Khasawneh\**

### **ABSTRACT**

The purpose of this study was to investigate the anthropometric indicators contributing to some physical abilities among junior Arab badminton players. The subjects of study were Twenty Four badminton players aged (19) years or less who participated in the 2005 Junior Arab championship which was held in Amman – Jordan.

The results of the study revealed the following:

- Chest circumference, Trunk length and Arm length were the most important variables contributing to back muscles strength.
- Thigh length, Leg length and body weight contributed Significantly to leg muscles strength.
- Forearm circumference is the only contributor to hand grip-strength.
- Arm length was the only variable contributing to speed of arm movement.
- Bilateral Thigh circumference and leg and thigh length were the major contributors to leg movement speed.

Based on the results of this study, it is recommended to employ anthropometric indicators used in this study as important considerations in the selection of badminton male players and to conduct a similar study on female to this game.

**Keywords:** Anthropometric, Physical Abilities, Junior, Badminton.

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