

**Table 1 – Prevalence of AHFPL**

<b>Study</b>	<b>Type of Study</b>	<b>Continent</b>	<b>Country</b>	<b>n= (total # of limbs)</b>	<b># of AHFPL</b>	<b>Percentage of limbs with AHFPL</b>
<b>Al-Qattan 1996</b>	Cadaveric	Asia	Saudi Arabia	25	13	52.00%
<b>Bilecenoglu 2005</b>	Cadaveric	Europe	Turkey	30	6	20.00%
<b>Caetano 2015</b>	Cadaveric	South America	Brazil	80	54	67.50%
<b>Dellon and Mackinnon 1987</b>	Cadaveric	North America	Canada	43	14	32.56%
<b>Dolderer 2011</b>	Cadaveric	Europe	Germany	19	5	26.32%
<b>Dykes 1944</b>	Cadaveric	North America	USA	150	80	53.33%
<b>El Domiaty 2008</b>	Cadaveric	Africa	Egypt	42	26	61.90%
<b>Gunnal 2013</b>	Cadaveric	Asia	India	180	92	51.11%
<b>Hemmady 1993</b>	Cadaveric	Asia	India	54	36	66.67%
<b>Jones 1997</b>	Cadaveric	Europe	England	80	36	45.00%
<b>Kara 2012 (Adult)</b>	Cadaveric	Europe	Turkey	52	20	38.46%
<b>Kara 2012 (Fetus)</b>	Cadaveric	Europe	Turkey	90	29	32.22%
<b>Kida 1988</b>	Cadaveric	Asia	Japan	132	82	62.12%
<b>Mahakkanukrauh 2004</b>	Cadaveric	Asia	Thailand	240	149	62.08%
<b>Malhotra 1982</b>	Cadaveric	North America	USA	240	130	54.17%
<b>Mangini 1960</b>	Cadaveric	North America	USA	76	56	73.68%
<b>Mori 1964</b>	Cadaveric	Asia	Japan	205	103	50.24%
<b>Oh 2000</b>	Cadaveric	Asia	Korea	72	48	66.67%
<b>Pai 2008</b>	Cadaveric	Asia	India	126	58	46.03%
<b>Riveros 2015</b>	Cadaveric	South America	Brazil	30	3	10.00%
<b>Sembian 2012</b>	Cadaveric	Asia	India	200	1	0.50%
<b>Shirali 1998</b>	Cadaveric	North America	USA	60	33	55.00%
<b>Tamang 2013</b>	Cadaveric	Asia	India	60	15	25.00%
<b>Tubbs 2006</b>	Cadaveric	North America	USA	20	4	20.00%
<b>Uyaroglu 2006</b>	Cadaveric	Europe	Turkey	52	27	51.92%

**Table 2 – Origin of the AHFPL**

<b>Study</b>	<b>Type of Study</b>	<b>Continent</b>	<b>Country</b>	<b>n = (# of limbs w/AHFPL)</b>	<b>Flexor Digitorum Superficialis</b>	<b>Coronoid Process of Ulna</b>	<b>Medial Epicondyle of Humerus</b>	<b>Dual origin from Medial Epicondyle and Coronoid Process</b>	<b>Muscle Fascia from Proximal Forearm</b>
<b>Caetano 2015</b>	Cadaveric	South America	Brazil	57	42	8	7	0	0
<b>Al-Qattan 1996</b>	Cadaveric	Asia	Saudi Arabia	13	0	0	11	2	0
<b>Dellon and Mackinnon 1987</b>	Cadaveric	North America	Canada	14	0	0	14	0	0
<b>El Domiaty 2008</b>	Cadaveric	Africa	Egypt	26	10	2	8	6	0
<b>Gunnal 2013</b>	Cadaveric	Asia	India	92	2	76	10	4	0
<b>Hemmady 1993</b>	Cadaveric	Asia	India	36	2	6	20	8	0
<b>Kara 2012 (Fetus)</b>	Cadaveric	Europe	Turkey	29	24	1	4	0	0
<b>Kara 2012 (Adult)</b>	Cadaveric	Europe	Turkey	20	9	2	9	0	0
<b>Kida 1988</b>	Cadaveric	Asia	Japan	11	0	0	0	0	11
<b>Mahakkanukrauh 2004</b>	Cadaveric	Asia	Thailand	149	3	35	111	0	0
<b>Malhotra 1982</b>	Cadaveric	North America	USA	130	0	4	54	72	0
<b>Mangini 1960</b>	Cadaveric	North America	USA	54	0	12	34	3	5
<b>Mori 1964</b>	Cadaveric	Asia	Japan	103	0	70	25	8	0
<b>Oh 2000</b>	Cadaveric	Asia	Korea	48	1	42	5	0	0
<b>Sembian 2012</b>	Cadaveric	Asia	India	1	1	0	0	0	0
<b>Shirali 1998</b>	Cadaveric	North America	USA	33	0	0	0	0	33
<b>Tamang 2013</b>	Cadaveric	Asia	India	15	8	0	5	0	2
<b>Uyaroglu 2006</b>	Cadaveric	Europe	Turkey	27	0	22	5	0	0

**Table 3 – Insertion of the AHFPL**

<b>Study</b>	<b>Type of Study</b>	<b>Continent</b>	<b>Country</b>	<b>n = (# of limbs with AHFPL)</b>	<b>Muscle</b>	<b>Tendon</b>
<b>Caetano 2015</b>	Cadaveric	South America	Brazil	57	48	9
<b>Oh 2000</b>	Cadaveric	Asia	Korea	48	27	5
				105		

**Table 4 – Innervation of the AHFPL**

<b>Study</b>	<b>Type of Study</b>	<b>Continent</b>	<b>Country</b>	<b>n= (# of limbs w/AHFPL)</b>	<b>Anterior to AIN</b>	<b>Posterior to AIN</b>
<b>Caetano 2015</b>	Cadaveric	South America	Brazil	54	18	30
<b>Al-Qattan 1996</b>	Cadaveric	Asia	Saudi Arabia	13	0	13
<b>Dellon and Mackinnon 1987</b>	Cadaveric	North America	Canada	14	0	14
<b>El Domiaty 2008</b>	Cadaveric	Africa	Egypt	26	26	0
<b>Gunnal 2013</b>	Cadaveric	Asia	India	92	0	9
<b>Hemmady 1993</b>	Cadaveric	Asia	India	36	36	0
<b>Jones 1997</b>	Cadaveric	Europe	England	36	36	0
<b>Kara 2012 (Fetus)</b>	Cadaveric	Europe	Turkey	29	26	0
<b>Kara 2012 (Adult)</b>	Cadaveric	Europe	Turkey	20	15	0
<b>Mahakkanukrauh 2004</b>	Cadaveric	Asia	Thailand	149	12	20
<b>Mangini 1960</b>	Cadaveric	North America	USA	56	56	0
<b>Oh 2000</b>	Cadaveric	Asia	Korea	48	0	32
<b>Pai 2008</b>	Cadaveric	Asia	India	58	58	0

**Table 5 – Relationship of AHFPL to the Anterior Interosseous Nerve**

<b>Study</b>	<b>Type of Study</b>	<b>Continent</b>	<b>Country</b>	<b>n= (# of limbs w/AHFPL)</b>	<b>Anterior to AIN</b>	<b>Posterior to AIN</b>	<b>Lateral to AIN</b>	<b>Anteromedial to AIN</b>	<b>Medial to AIN</b>
<b>Caetano 2015</b>	Cadaveric	South America	Brazil	54	18	30	6	0	0
<b>Al-Qattan 1996</b>	Cadaveric	Asia	Saudi Arabia	13	0	13	0	0	0
<b>Dellon and Mackinnon 1987</b>	Cadaveric	North America	Canada	14	0	14	0	0	0
<b>El Domiaty 2008</b>	Cadaveric	Africa	Egypt	26	26	0	0	0	0
<b>Gunnal 2013</b>	Cadaveric	Asia	India	92	0	9	0	83	0
<b>Hemmady 1993</b>	Cadaveric	Asia	India	36	36	0	0	0	0
<b>Jones 1997</b>	Cadaveric	Europe	England	36	36	0	0	0	0
<b>Kara 2012 (Fetus)</b>	Cadaveric	Europe	Turkey	29	26	0	0	3	0
<b>Kara 2012 (Adult)</b>	Cadaveric	Europe	Turkey	20	15	0	0	4	1
<b>Mahakkanukrauh 2004</b>	Cadaveric	Asia	Thailand	149	12	20	0	19	98
<b>Mangini 1960</b>	Cadaveric	North America	USA	56	56	0	0	0	0
<b>Oh 2000</b>	Cadaveric	Asia	Korea	48	0	32	0	0	12
<b>Pai 2008</b>	Cadaveric	Asia	India	58	58	0	0	0	0
<b>Shirali 1998</b>	Cadaveric	North America	USA	33	33	0	0	0	0
<b>Tamang 2013</b>	Cadaveric	Asia	India	15	0	0	0	0	15
<b>Uyaroglu 2006</b>	Cadaveric	Europe	Turkey	27	15	1	0	8	3

**Table 6 – Relationship of the AHFPL to the Median Nerve**

<b>Study</b>	<b>Type of Study</b>	<b>Continent</b>	<b>Country</b>	<b>n= (# of limbs w/AHFPL)</b>	<b>Anterior to MN</b>	<b>Posterior to MN</b>
<b>Caetano 2015</b>	Cadaveric	South America	Brazil	54	2	52
<b>Al-Qattan 1996</b>	Cadaveric	Asia	Saudi Arabia	13	0	13
<b>El Domiaty 2008</b>	Cadaveric	Africa	Egypt	26	0	26
<b>Hemmady 1993</b>	Cadaveric	Asia	India	36	0	36
<b>Jones 1997</b>	Cadaveric	Europe	England	36	0	36
<b>Kara 2012 (Adult)</b>	Cadaveric	Europe	Turkey	20	0	20
<b>Mangini 1960</b>	Cadaveric	North America	USA	56	0	56
<b>Pai 2008</b>	Cadaveric	Asia	India	58	1	57
<b>Shirali 1998</b>	Cadaveric	North America	USA	33	3	30
<b>Tamang 2013</b>	Cadaveric	Asia	India	15	0	15

**Table 7 – Morphometrics of the AHFPL**

<b>Study</b>	<b>Type of Study</b>	<b>Continent</b>	<b>Country</b>	<b>n= (# of limbs w/AHFPL)</b>	<b>Mean total length of Muscle (mm)</b>	<b>SD</b>	<b>Mean length of Tendon (mm)</b>	<b>SD</b>	<b>Mean length of Muscle Belly (mm)</b>	<b>SD</b>	<b>Mean width of Muscle belly (mm)</b>	<b>SD</b>
<b>El Domiaty 2008</b>	Cadaveric	Africa	Egypt	26	74.66	5.97	8.34	1.01	66.32	6.29		
<b>Gunnal 2013</b>	Cadaveric	Asia	India	92	80.47	1.01	1.9	0.09			0.78	0.03
<b>Jones 1997</b>	Cadaveric	Europe	England	36	80	16	11.7	13	68	17		
<b>Kara 2012</b>	Cadaveric	Europe	Turkey	19	82	12.6			74	12	7	2.2
<b>Oh 2000</b>	Cadaveric	Asia	Korea	48							7	2.5
<b>Pai 2008</b>	Cadaveric	Asia	India	58	80	15						
<b>Tamang 2013</b>	Cadaveric	Asia	India	15			20	8.09	93.48	1.76	7.03	1.43
<b>Uyaroglu 2006</b>	Cadaveric	Europe	Turkey	27	71.25	11.97	20.7	17.7			6.99	2.38

**Table 8 – Morphology of the AHFPL**

Study	Type of Study	Continent	Country	n= (# of limbs w/AHFPL)	Fusiform	Voluminous	Slender	Voluminous Fusiform	Triangular	Strap-like	Papillary
Caetano 2015	Cadaveric	South America	Brazil	57	57	0	0	0	0	0	0
El Domiaty 2008	Cadaveric	Africa	Egypt	26	14	0	8	4	0	0	0
Gunnal 2013	Cadaveric	Asia	India	92	77	0	0	0	15	0	0
Jones 1997	Cadaveric	Europe	England	36	0	3	20	0	13	0	0
Kara 2012 (Fetus)	Cadaveric	Europe	Turkey	29	12	0	8	0	9	0	0
Kara 2012 (Adult)	Cadaveric	Europe	Turkey	20	10	0	7	0	0	3	0
Mahakkanukrauh 2004	Cadaveric	Asia	Thailand	149	146	0	3	0	0	0	0
Oh 2000	Cadaveric	Asia	Korea	48	9	0	0	0	0	9	30
Pai 2008	Cadaveric	Asia	India	58	35	7	0	0	0	16	0
Riveros 2015	Cadaveric	South America	Brazil	3	3	0	0	0	0	0	0
Tamang 2013	Cadaveric	Asia	India	15	13	0	2	0	0	0	0
Uyaroglu 2006	Cadaveric	Europe	Turkey	27	19	0	0	0	0	0	8

**Table 9 – Unilateral vs Bilateral AHFPL**

Study	Type of Study	Continent	Country	n= (# of cadavers with AHFPL)	Bilateral	Unilateral
El Domiaty 2008	Cadaveric	Africa	Egypt	18	2	16
Gunnal 2013	Cadaveric	Asia	India	59	33	26
Jones 1997	Cadaveric	Europe	England	22	14	8
Kara 2012 (Fetus)	Cadaveric	Europe	Turkey	19	10	9
Kara 2012 (Adult)	Cadaveric	Europe	Turkey	12	8	4
Mahakkanukrauh 2004	Cadaveric	Asia	Thailand	85	64	21
Malhotra 1982	Cadaveric	North America	USA	88	42	46
Oh 2000	Cadaveric	Asia	Korea	30	18	12
Shirali 1998	Cadaveric	North America	USA	21	12	9
Tamang 2013	Cadaveric	Asia	India	13	2	11
Uyaroglu 2006	Cadaveric	Europe	Turkey	17	10	7

**Table 10 – Side Distribution of AHFPL**

<b>Study</b>	<b>Type of Study</b>	<b>Continent</b>	<b>Country</b>	<b>n = (total # of limbs)</b>	<b>Left</b>	<b>n = (total # of limbs)</b>	<b>Right</b>
<b>El Domiaty 2008</b>	Cadaveric	Africa	Egypt	24	12	18	14
<b>Gunnal 2013</b>	Cadaveric	Asia	India	90	43	90	49
<b>Jones 1997</b>	Cadaveric	Europe	England	40	16	40	20
<b>Kida 1988</b>	Cadaveric	Asia	Japan	67	44	65	38
<b>Malhotra 1982</b>	Cadaveric	North America	USA	104	52	136	72
<b>Pai 2008</b>	Cadaveric	Asia	India	63	26	63	32
<b>Shirali 1998</b>	Cadaveric	North America	USA	30	15	30	18
<b>Tamang 2013</b>	Cadaveric	Asia	India	30	4	30	7

**Table 11 – Gender Distribution of AHFPL**

<b>Study</b>	<b>Type of Study</b>	<b>Continent</b>	<b>Country</b>	<b>n = (total # of male limbs)</b>	<b>Male</b>	<b>n = (total # of female limbs)</b>	<b>Female</b>
<b>Caetano 2015</b>	Cadaveric	South America	Brazil	76	53	4	1
<b>El Domiaty 2008</b>	Cadaveric	Africa	Egypt	36	23	6	3
<b>Jones 1997</b>	Cadaveric	Europe	England	44	21	36	15
<b>Sembian 2012</b>	Cadaveric	Asia	India	100	1	100	0

**Table 12 – Insertion of tendon of AHFPL**

<b>Study</b>	<b>Type of Study</b>	<b>Continent</b>	<b>Country</b>	<b>n= (# of limbs w/AHFPL)</b>	<b>Proximal third of Forearm</b>	<b>Middle third of Forearm</b>	<b>Distal third of Forearm</b>
<b>Caetano 2015</b>	Cadaveric	South America	Brazil	57	23	20	14
<b>Jones 1997</b>	Cadaveric	Europe	England	36	27	8	1
<b>Pai 2008</b>	Cadaveric	Asia	India	58	46	10	2
<b>Gunnal 2013</b>	Cadaveric	Asia	India	92	92	0	0
<b>Sembian 2012</b>	Cadaveric	Asia	India	1	0	1	0
<b>Tamang 2013</b>	Cadaveric	Asia	India	15	0	15	0

**Table 13 – Crossing of the Anterior Interosseous Nerve in Relation to the AHFPL**

<b>Study</b>	<b>Type of Study</b>	<b>Continent</b>	<b>Country</b>	<b>n = (# of limbs with AHFPL)</b>	<b>Muscle</b>	<b>Tendon</b>	<b>Lateral</b>
<b>Caetano 2015</b>	Cadaveric	South America	Brazil	57	48	9	0
<b>Oh 2000</b>	Cadaveric	Asia	Korea	48	27	5	16