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Supplemental Data

Table S1. Cadaveric Specimen MRI Measurements. Epiphyseal cartilage (EC) and articular-epiphyseal cartilage complex (AECC) widths along with secondary ossification center (SOC) volume and total epiphyseal volume (TEV) measurements in the developing distal femoral epiphysis of twenty-two cadaveric specimens.

Specimen #	Age [y]	Sex [M or F]	Laterality [R or L]	MRI Field Strength [T]	EC Width [cm]			AECC Width [cm]	EC/AECC Width [a.u.]		SOC Volume [cm ³]	TEV [cm ³]	SOC [%]	TEV [%]	SOC/TEV [%]
					Medial	Lateral	Difference [%]		Medial	Lateral					
1	1/12	M	R	9.4	0.92	0.84	8.5	2.93	0.31	0.29	0.13	4.41	2.9	97.1	2.9
2	9/12	M	L	7.0	0.87	0.68	21.7	3.00	0.29	0.23	0.65	4.98	11.6	88.4	13.2
3	9/12	M	R	7.0	0.83	0.76	8.2	3.05	0.27	0.25	0.64	5.02	11.4	88.6	12.8
4	1	M	R	9.4	0.85	0.71	16.1	2.86	0.30	0.25	0.04	5.34	0.8	99.2	0.8
5	2	M	R	9.4	1.59	1.47	7.5	4.81	0.33	0.31	4.68	12.17	27.8	72.2	38.5
6	3	M	R	7.0	1.72	1.42	17.4	5.64	0.31	0.25	8.52	19.93	29.9	70.1	42.7
7	4	M	R	7.0	1.35	1.31	3.0	5.39	0.25	0.24	14.80	14.30	50.9	49.1	103.5
8	4	M	L	7.0	1.26	1.13	10.3	5.71	0.22	0.20	13.47	14.40	48.3	51.7	93.5
9	5	M	R	7.0	1.50	1.35	10.0	6.11	0.25	0.22	22.05	21.52	50.6	49.4	102.5
10	7	M	R	7.0	1.69	1.65	2.4	6.02	0.28	0.27	27.82	17.38	61.6	38.4	160.1
11	10	M	R	7.0	1.70	1.52	10.6	6.54	0.26	0.23	38.36	11.52	76.9	23.1	333.1
12	3/12	F	R	9.4	0.74	0.68	8.6	3.01	0.25	0.23	0.45	4.48	9.2	90.8	10.2
13	4/12	F	R	9.4	0.69	0.66	4.9	2.56	0.27	0.26	0.04	2.70	1.4	98.6	1.4
14	1	F	R	7.0	0.97	0.80	18.1	3.10	0.31	0.26	1.34	8.62	13.5	86.5	15.6
15	1	F	R	7.0	1.16	1.01	12.9	3.80	0.31	0.27	0.60	6.44	8.5	91.5	9.3
16	1	F	L	9.4	0.86	0.81	5.6	3.05	0.28	0.27	0.42	5.98	6.6	93.4	7.1
17	2	F	L	7.0	0.95	0.84	12.0	3.51	0.27	0.24	3.56	6.27	36.2	63.8	56.8
18	3	F	R	9.4	1.10	0.99	10.0	4.51	0.24	0.22	3.44	9.68	26.2	73.8	35.5
19	4	F	R	7.0	1.11	1.03	7.2	4.89	0.23	0.21	7.41	9.82	43.0	57.0	75.5
20	4	F	L	7.0	1.24	1.08	12.9	4.88	0.25	0.22	6.85	9.43	42.1	57.9	72.7
21	7	F	R	7.0	1.33	1.01	24.1	5.34	0.25	0.19	15.50	7.90	66.2	33.8	196.2
22	8	F	R	7.0	1.80	1.46	18.9	5.34	0.34	0.27	16.54	16.14	50.6	49.4	102.5

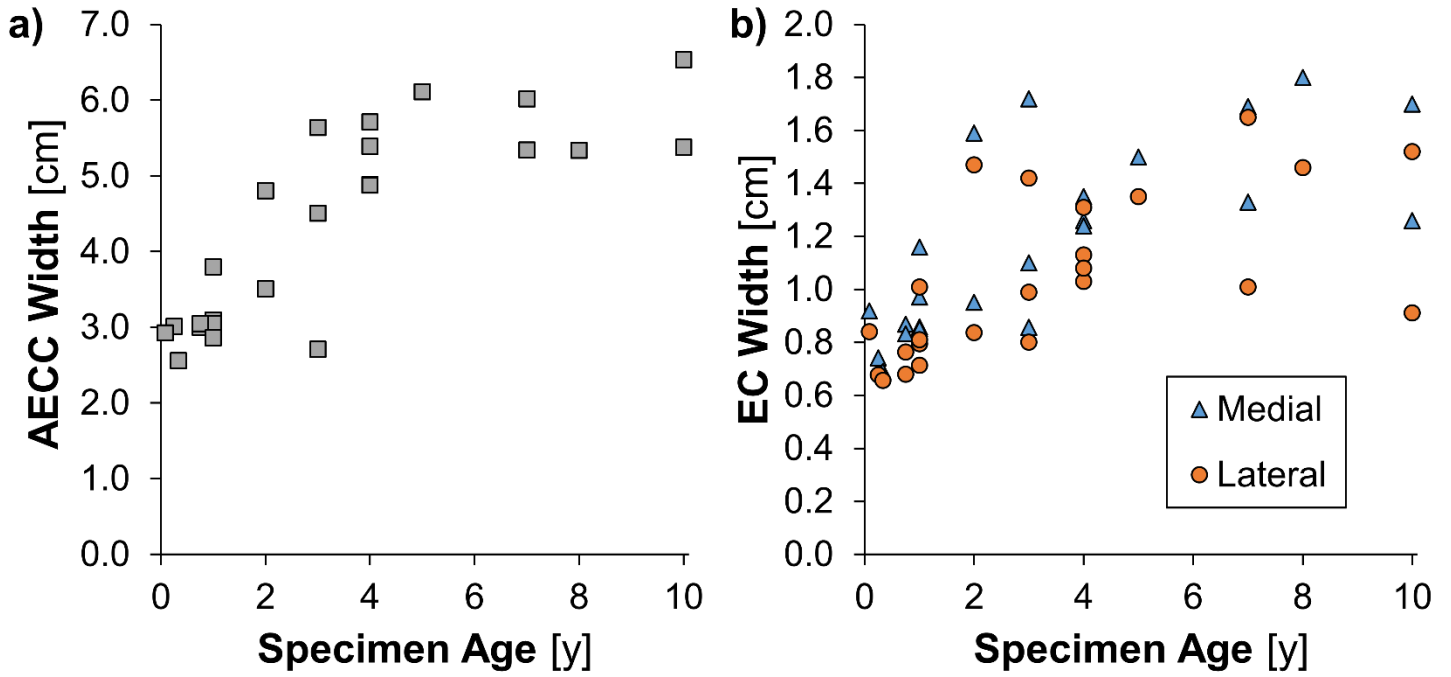


Fig S1. AECC and EC Width versus Specimen Age. Quantitative measurements of the (a) articular-epiphyseal cartilage complex (AECC) width and (b) epiphyseal cartilage (EC) widths for the medial and lateral condyle increasing with specimen age.