

**Table S1** The incidence of ascending A<sup>3</sup> a (ASC. A<sup>3</sup>a) and values of X (cm), Y (cm) and f(X/Y) in two groups

Group & No.	ASC.A3a	X(cm)	Y(cm)	f	Group & No.	ASC.A3a	X(cm)	Y(cm)	f	Group & No.	ASC.A3a	X(cm)	Y(cm)	f
Group 1-1	✓	3.84	9.99	0.38	Group 2-11	×	15.51	3.47	4.46	Group 2-53	×	6.62	4.93	1.34
Group 1-2	✓	7.6	11.01	0.69	Group 2-12	×	7.01	6.45	1.09	Group 2-54	×	8.11	4.79	1.7
Group 1-3	✓	7.9	19.17	0.41	Group 2-13	×	4.79	6.44	0.74	Group 2-55	×	8.57	7.53	1.14
Group 1-4	×	4.87	10.13	0.48	Group 2-14	×	8.69	4.08	2.13	Group 2-56	×	14.74	5.81	2.54
Group 1-5	✓	9.41	9.48	0.99	Group 2-15	×	7.35	9.86	0.75	Group 2-57	×	7.97	5.06	1.58
Group 1-6	×	5.86	12.1	0.48	Group 2-16	✓	7.97	8.97	0.89	Group 2-58	×	4.92	6.14	0.8
Group 1-7	✓	10.61	11.76	0.9	Group 2-17	×	8.51	4.42	1.93	Group 2-59	×	13.6	13.39	1.02
Group 1-8	✓	6.64	11.98	0.55	Group 2-18	×	10.16	6.99	1.45	Group 2-60	×	4.78	4.99	0.96
Group 1-9	×	4.94	6.24	0.79	Group 2-19	×	18.77	6.34	2.96	Group 2-61	×	9.32	7.2	1.29
Group 1-10	✓	2.02	9.44	0.21	Group 2-20	×	7.72	9.02	0.86	Group 2-62	×	5.74	8.88	0.65
Group 1-11	✓	6.46	9.92	0.65	Group 2-21	×	7.38	10.51	0.7	Group 2-63	✓	8.32	8.32	1
Group 1-12	✓	5.02	10.36	0.48	Group 2-22	×	6.63	6.97	0.95	Group 2-64	×	5.36	7.85	0.68
Group 1-13	✓	7.41	9.89	0.75	Group 2-23	×	10.05	6.87	1.46	Group 2-65	×	7.33	5.68	1.29
Group 1-14	×	6.4	14.89	0.43	Group 2-24	×	9.39	6.56	1.43	Group 2-66	×	7.66	4.94	1.55
Group 1-15	×	6.92	8.02	0.86	Group 2-25	×	8.55	5.77	1.48	Group 2-67	×	8.29	11.46	0.72
Group 1-16	×	7.3	10	0.73	Group 2-26	×	7.2	12.84	0.56	Group 2-68	×	16.8	5.83	2.88
Group 1-17	×	3.57	7.94	0.45	Group 2-27	×	20.42	8	2.55	Group 2-69	×	6.29	8.84	0.71
Group 1-18	×	6.21	11.93	0.52	Group 2-28	×	17.7	2.37	7.48	Group 2-70	×	4.83	6.06	0.8
Group 1-19	✓	9.07	5.14	1.76	Group 2-29	×	8.63	4.87	1.77	Group 2-71	×	14.19	5.45	2.6
Group 1-20	✓	6.84	12.3	0.56	Group 2-30	×	12.06	10.68	1.13	Group 2-72	×	10.04	9.01	1.11
Group 1-21	×	4.59	14.9	0.31	Group 2-31	×	9.76	8.84	1.1	Group 2-73	×	9.17	8.23	1.11
Group 1-22	×	5.14	7.62	0.67	Group 2-32	×	12.57	3.22	3.91	Group 2-74	×	12.85	4.16	3.09
Group 1-23	×	5.65	3.24	1.74	Group 2-33	×	11.24	3.96	2.84	Group 2-75	×	10.09	2.56	3.95
Group 1-24	×	3.48	7.47	0.47	Group 2-34	×	6.08	4.03	1.51	Group 2-76	×	13.09	8.53	1.54
Group 1-25	×	6.09	6.42	0.95	Group 2-35	×	15.63	3.99	3.92	Group 2-77	×	6.9	4.56	1.51
Group 1-26	✓	1.04	15.47	0.07	Group 2-36	×	8.93	4.19	2.13	Group 2-78	×	13.19	9.73	1.36
Group 1-27	✓	5.63	10.1	0.56	Group 2-37	×	5.89	7.12	0.83	Group 2-79	×	8.73	11.05	0.79
Group 1-28	×	8.55	6.96	1.23	Group 2-38	×	14.66	5.31	2.76	Group 2-80	×	11.08	3.4	3.26
Group 1-29	✓	3.79	13.45	0.28	Group 2-39	×	9.24	12.4	0.74	Group 2-81	×	5.97	5.19	1.15
Group 1-30	✓	5.73	3.95	1.45	Group 2-40	×	6.24	3.31	1.89	Group 2-82	×	13.19	5.16	2.55
Group 1-31	✓	8.18	14.56	0.56	Group 2-41	×	7.68	6.11	1.26	Group 2-83	×	11.99	5.74	2.09
Group 1-32	✓	7.2	9.77	0.74	Group 2-42	×	10.11	4.67	2.16	Group 2-84	×	15.26	3.83	3.99
Group 2-1	×	6.63	5.05	1.31	Group 2-43	×	17.12	10.51	1.63	Group 2-85	×	9.19	3.79	2.42
Group 2-2	×	8.56	5.97	1.44	Group 2-44	×	8.9	5.07	1.76	Group 2-86	×	9.72	5.73	1.7
Group 2-3	×	6.59	7.75	0.85	Group 2-45	×	9.27	8.33	1.11	Group 2-87	×	5.09	5.23	0.97
Group 2-4	×	9.15	5.4	1.69	Group 2-46	×	8.37	1.71	4.9	Group 2-88	×	6.04	3.45	1.75
Group 2-5	×	9.77	7.29	1.34	Group 2-47	×	5.58	4.76	1.17	Group 2-89	×	5.93	2.96	2
Group 2-6	×	9.77	3.94	2.48	Group 2-48	×	6.62	3.24	2.04	Group 2-90	×	13.16	1.87	7.04
Group 2-7	×	9.85	7.87	1.25	Group 2-49	×	9.16	11.96	0.77	Group 2-91	×	5.8	9.19	0.63
Group 2-8	×	14.87	4.88	3.05	Group 2-50	×	3.12	7.68	0.41	Group 2-92	×	7.15	7.15	1
Group 2-9	×	6.12	4.62	1.32	Group 2-51	×	11.46	4.33	2.65					
Group 2-10	×	6.64	3.94	1.69	Group 2-52	×	7.35	3.21	2.29					