

Supplemental Material S3. Analysis of Swallowing Physiology: Events, Kinematics and Timing (ASPEKT) vallecular residue amounts between genders across age categories for each swallow task.

Swallow Task		Young (21–39 years)		Middle (40–59 years)		Old (60+ years)	
		Males	Females	Males	Females	Males	Females
5 ml thin	<i>M (SD)</i>	0.29 (0.89)	0.13 (0.58)	0.12 (0.44)	0.00 (0.00)	0.63 (0.90)	0.06 (0.27)
	95% CI	−0.03, 0.61	−0.06, 0.33	−0.03, 0.27	n/a	0.17, 1.09	−0.03, 0.15
	<i>Mdn</i>	0.00	0.00	0.00	0.00	0.00	0.00
	Range	0.00, 4.39	0.00, 2.82	0.00, 1.97	n/a	0.00, 2.16	0.00, 1.34
	<i>n</i>	33	37	35	35	17	38
Cup sip thin	<i>M (SD)</i>	0.55 (1.02)	0.07 (0.30)	0.49 (1.05)	0.11 (0.27)	1.15 (1.47)	0.76 (1.46)
	95% CI	0.19, 0.91	−0.03, 0.17	0.12, 0.85	0.01, 0.21	0.39, 1.90	0.28, 1.24
	<i>Mdn</i>	0.00	0.00	0.00	0.00	0.91	0.00
	Range	0.00, 3.52	0.00, 1.37	0.00, 3.97	0.00, 1.21	0.00, 4.99	0.00, 5.24
	<i>n</i>	33	37	35	35	17	38
Sequential thin	<i>M (SD)</i>	0.73 (1.60)	0.21 (0.61)	0.67 (1.07)	0.15 (0.37)	1.37 (1.45)	0.81 (1.66)
	95% CI	0.16, 1.30	0.00, 0.42	0.29, 1.06	0.02, 0.27	0.62, 2.12	0.25, 1.36
	<i>Mdn</i>	0.00	0.00	0.00	0.00	1.06	0.00
	Range	0.00, 8.09	0.00, 2.30	0.00, 4.21	0.00, 1.22	0.00, 4.51	0.00, 7.29
	<i>n</i>	33	37	35	35	17	38
5 ml nectar	<i>M (SD)</i>	0.61 (1.33)	0.07 (0.27)	0.53 (1.11)	0.15 (0.59)	0.81 (1.18)	0.56 (1.28)
	95% CI	0.13., 1.09	−0.03, 0.16	0.15, 0.91	−0.06, 0.35	0.20, 1.42	0.14, 0.98
	<i>Mdn</i>	0.00	0.00	0.00	0.00	0.00	0.00
	Range	0.00, 5.76	0.00, 1.18	0.00, 3.77	0.00, 3.20	0.00, 3.62	0.00, 4.70
	<i>n</i>	33	37	35	35	17	38
Cup sip nectar	<i>M (SD)</i>	0.42 (0.85)	0.18 (0.51)	0.68 (1.33)	0.15 (0.41)	1.53 (1.68)	0.88 (1.74)
	95% CI	0.11, 0.74	0.01, 0.35	0.21, 1.14	0.00, 0.29	0.66, 2.39	0.31, 1.46

	<i>Mdn</i>	0.00	0.00	0.00	0.00	1.06	0.00
	Range	0.00, 3.70	0.00, 2.20	0.00, 4.39	0.00, 1.98	0.00, 5.99	0.00, 7.47
	<i>n</i>	33	37	35	35	17	38
Sequential nectar	<i>M (SD)</i>	0.75 (1.35)	0.32 (0.76)	1.02 (1.53)	0.23 (0.50)	2.13 (1.91)	1.05 (1.56)
	95% CI	0.27, 1.22	0.06, 0.58	0.47, 1.57	0.05, 0.40	1.15, 3.11	0.52, 1.57
	<i>Mdn</i>	0.00	0.00	0.00	0.00	2.26	0.00
	Range	0.00, 5.03	0.00, 3.65	0.00, 4.75	0.00, 2.49	0.00, 6.77	0.00, 5.85
	<i>n</i>	33	37	35	35	17	38
5 ml honey	<i>M (SD)</i>	0.67 (1.31)	0.32 (0.81)	0.71 (1.53)	0.14 (0.49)	2.18 (2.51)	0.98 (1.75)
	95% CI	0.21, 1.13	0.05, 0.59	0.19, 1.24	−0.03, 0.04	0.89, 3.47	0.40, 1.55
	<i>Mdn</i>	0.00	0.00	0.00	0.00	1.80	0.00
	Range	0.00, 6.15	0.00, 3.09	0.00, 7.25	0.00, 2.26	0.00, 8.42	0.00, 8.12
	<i>n</i>	33	37	35	35	17	38
5 ml pudding	<i>M (SD)</i>	0.43 (1.34)	0.01 (0.32)	0.29 (0.76)	0.08 (0.32)	0.93 (1.35)	0.22 (0.72)
	95% CI	−0.04, 0.91	−0.03, 0.19	0.03, 0.55	−0.03, 0.19	0.23, 1.62	−0.02, 0.46
	<i>Mdn</i>	0.00	0.00	0.00	0.00	0.00	0.00
	Range	0.00, 6.41	0.00, 1.56	0.00, 3.44	0.00, 1.56	0.00, 3.64	0.00, 3.26
	<i>n</i>	33	37	35	35	17	38
Solid	<i>M (SD)</i>	0.06 (0.25)	0.03 (0.21)	0.34 (0.94)	0.08 (0.33)	0.88 (2.05)	0.63 (1.52)
	95% CI	−0.03, 0.15	−0.04, 0.10	0.01, 0.67	−0.03, 0.19	−0.17, 1.94	0.13, 1.14
	<i>Mdn</i>	0.00	0.00	0.00	0.00	0.00	0.00
	Range	0.00, 1.33	0.00, 1.26	0.00, 4.18	0.00, 1.41	0.00, 6.10	0.00, 7.07
	<i>n</i>	33	37	35	35	17	38