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Supplementary Materials

A Comparison of Oral Function in Older In- and Outpatients: An Observational Study

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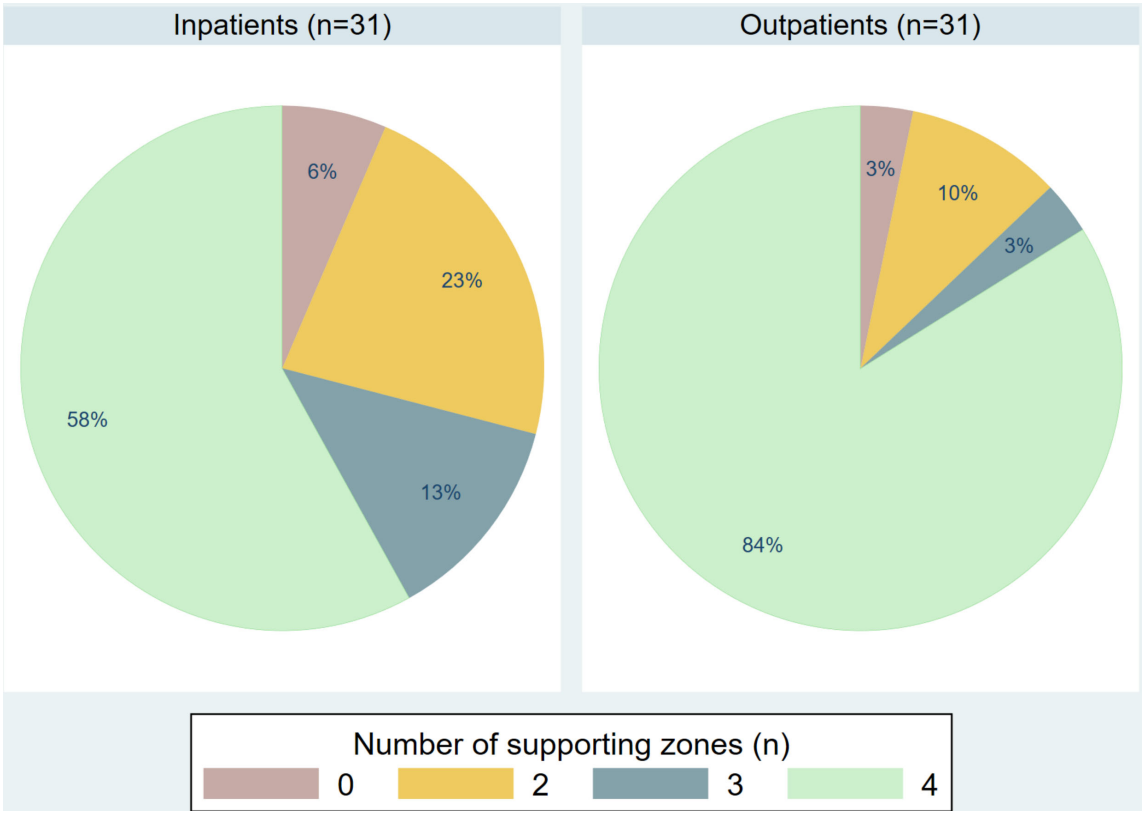


Figure S1. Pie charts displaying number of supporting zones stratified by clinical setting.

Table S1. Characteristics of older outpatients stratified by sex (*n* = 31).

Characteristic	Female (*n* = 18)	Male (*n* = 13)	P-value
Age, mean (sd)	80.1 (4.1)	81.6 (4.5)	0.34
Eruptive teeth (n), mean (sd)	10.4 (8.4)	7.2 (7.1)	0.27
Bite force (N), mean (sd)	233.5 (211.7)	182.8(121.1)	0.44
Bite force display area (mm^2), mean (sd)	6.2 (4.8)	4.7 (2.6)	0.32
Average pressure (N/mm^2), mean (sd)	34.1 (9.6)	35.4 (13.1)	0.75
Maximum pressure (N/mm^2), mean (sd)	76.2 (37.3)	84.1 (34.1)	0.95
Force distribution right side (%), mean (sd)	46.5 (18.6)	53.1 (27.4)	0.43
Force distribution left side (%), mean (sd)	53.5 (18.6)	39.3 (25.2)	0.08
Supporting zones with dentures (n), median (IQR)	3.9 (0.47)	3.3 (1.25)	0.07
Eichner-classification with dentures, median (IQR)	A1 (A1–A1)	A1 (A1–B1)	0.53
Masticatory performance, visual scale, median (IQR)	SA2 (SA1–SA3)	SA2 (SA2–SA3)	0.47
Masticatory performance, digital scale (SD_Hue), mean (sd)	0.45 (0.20)	0.43 (0.22)	0.79

Abbreviations: sd= standard deviation; VoH = Variance of the Hue; IQR = interquartile range.

Table S2. Characteristics of older inpatients stratified by sex (*n* = 31).

Characteristic	Female (*n* = 21)	Male (*n* = 10)	P-value
Age, mean (sd)	84.0 (5.8)	81.3 (6.1)	0.24
Eruptive teeth (n), mean (sd)	12.5 (9.8)	11.0 (11.9)	0.71
Bite force (N), mean (sd)	263.8 (295.8)	323.8 (389.7)	0.64
Bite force display area (mm^2), mean (sd)	7.0 (6.5)	8.3 (9.2)	0.65
Average pressure (N/mm^2), mean (sd)	30.6 (12.0)	31.8 (13.1)	0.80
Maximum pressure $1N/mm^2$), mean (sd)	76.2 (42.1)	75.1 (42.2)	0.95
Force distribution right side (%), mean (sd)	46.2 (26.6)	47.5 (28.3)	0.90
Force distribution left side (%), mean (sd)	44.3 (26.3)	42.5 (27.3)	0.86
Supporting zones with dentures (n), median (IQR)	4 (2-4)	4 (4-4)	0.01
Eichner-classification with dentures, median (IQR)	B1 (A1–B2)	A2 (A1–A2)	0.03
Masticatory performance, visual scale, median (IQR)	SA2* (SA1*–SA3*)	SA1 (SA1–SA3)	1.0
Masticatory performance, digital scale (VoH), mean (sd)	0.46* (0.26*)	0.51 (0.23)	0.61

Abbreviations: sd= standard deviation; VoH = Variance of the Hue; IQR = interquartile range; *n = 20.