

Supplementary Online Content

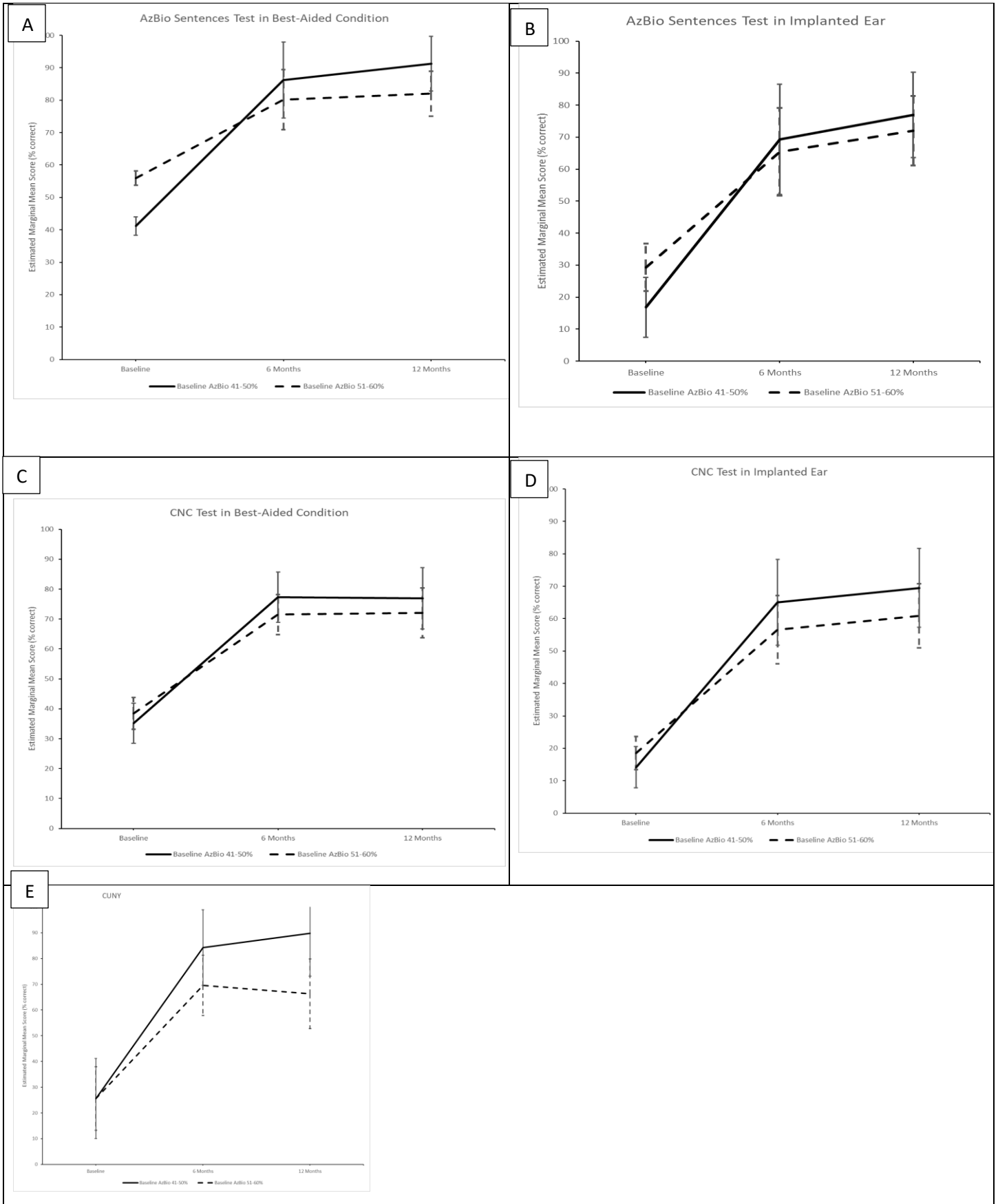
Zwolan TA, Kallogjeri D, Firszt JB, Buchman CA. Assessment of cochlear implants for adult Medicare beneficiaries aged 65 years or older who meet expanded indications of open-set sentence recognition: a multicenter nonrandomized clinical trial. *JAMA Otolaryngol Head Neck Surg*. Published online August 27, 2020.
doi:10.1001/jamaoto.2020.2286

eFigure. Comparison of Change in Each of the Speech Perception Outcome Measures at Study Visits Between the Two Study Groups

eTable. Estimated Marginal Means at Each Study Visit and the Comparison With Baseline

This supplementary material has been provided by the authors to give readers additional information about their work.

eFigure. Comparison of Change in Each of the Speech Perception Outcome Measures at Study Visits Between the Two Study Groups



eTable. Estimated Marginal Means at Each Study Visit and the Comparison With Baseline

Measure Domains	Baseline Estimated Marginal Mean (95% CI)	6-Months Postoperatively Estimated Marginal Mean (95% CI)	12-Months Postoperatively Estimated Marginal Mean (95% CI)	Change 6 Month-Baseline Estimated Marginal Mean Difference (95% CI)	Change 12 Month-Baseline Estimated Marginal Mean Difference (95% CI)
HUI3					
Vision	0.958 (0.951-0.965)	0.959 (0.952-0.966)	0.948 (0.931-0.966)	0.0008 (-0.0071 to 0.0087)	-0.0098 (-0.0263 to 0.0067)
Hearing	0.526 (0.476-0.576)	0.712 (0.667-0.768)	0.709 (0.657-0.761)	0.1916 (0.1294 to 0.2538)	0.1828 (0.1193 to 0.2462)
Speech	0.903 (0.849-0.957)	0.941 (0.899-0.984)	0.927 (0.877-0.977)	0.0381 (-0.0211 to 0.0972)	0.0236 (-0.0400 to 0.0872)
Ambulation	0.924 (0.881-0.969)	0.898 (0.841-0.956)	0.903 (0.852-0.953)	-0.0261 (-0.0731 to 0.0208)	-0.0217 (-0.0675 to 0.0240)
Dexterity	0.996 (0.967-1.025)	0.947 (0.918-0.977)	0.985 (0.955-1.015)	-0.0487 (-0.0869 to -0.0105)	-0.0111 (-0.0501 to 0.0278)
Emotion	0.929 (0.876-0.982)	0.923 (0.871-0.976)	0.950 (0.918-0.982)	-0.0058 (-0.0515 to 0.0399)	0.0211 (-0.0186 to 0.0609)
Cognition	0.971 (0.938-1.004)	0.938 (0.875-1.002)	0.960 (0.909-1.011)	-0.0326 (-0.0944 to 0.0293)	-0.0109 (-0.0574 to 0.0357)
Pain	0.895 (0.853-0.937)	0.866 (0.789-0.943)	0.928 (0.897-0.958)	-0.0290 (-0.0823 to 0.0242)	0.0327 (0.0014 to 0.0639)
Multi	0.558 (0.502-0.614)	0.610 (0.526-0.694)	0.653 (0.589-0.717)	0.0521 (-0.0163 to 0.1206)	0.0954 (0.0425 to 0.1482)
APHAB					
Global	19.29 (12.05-26.52)	49.56 (38.74-60.39)	51.38 (41.02-61.74)	30.28 (19.34 to 41.22)	32.09 (21.49 to 42.70)
Ease	26.09 (14.08-38.11)	61.80 (48.71-74.89)	57.67 (44.33-71.00)	35.71 (22.41 to 49.00)	31.57 (18.90 to 44.25)
Reverb	14.30 (8.07-20.53)	47.01 (35.26-58.76)	50.79 (41.60-59.98)	32.71 919.78 to 45.64)	36.48 (26.03 to 46.93)
BGnoise	16.00 (8.08-23.92)	53.15 (42.27-64.03)	51.42 (42.09-60.75)	37.15 (26.70 to 47.60)	35.42 (26.57 to 44.26)
Averse	-24.21 (-31.65 -16.77)	-29.63 (-39.95 -19.31)	-31.87 (-40.43 -23.31)	-5.42 (-13.64 to 2.80)	-7.66 (-16.63 to 1.31)

SF36					
Physical Function	72.10 (63.07-81.13)	68.02 (58.04-78.00)	66.98 (55.83-78.12)	-4.07 (-8.79 to 0.64)	-5.12 (-11.25 to 1.01)
Limitations due to physical function	71.77 (57.23-86.32)	58.06 (41.94-74.19)	61.85 (45.65-78.05)	-13.71 (-29.39 to 1.97)	-9.93 (-24.72 to 4.86)
Limitations due to emotion	82.80 (69.83-95.76)	79.57 (65.93-93.21)	80.66 (69.03-92.29)	-3.23 (-20.04 to 13.58)	-2.14 (-17.83 to 13.55)
Fatigue	67.90 (62.74-73.06)	67.26 (60.13-74.39)	64.55 (57.91-71.19)	-0.65 (-6.90 to 5.61)	-3.35 (-9.08 to 2.37)
Emotional	82.06 (76.5-87.63)	82.71 (77.18-88.24)	83.51 (78.73-88.30)	0.65 (-4.55 to 5.84)	1.45 (-2.39 to 5.30)
Social	84.68 (76.76-92.59)	86.69 (79.80-93.59)	88.99 (82.19-95.78)	2.02 (-7.97 to 12.00)	4.31 (-4.85 to 13.47)
Pain	77.42 (70.78-84.06)	70.56 (61.20-79.93)	76.50 (69.07-83.93)	-6.85 (-14.51 to 0.80)	-0.92 (-8.36 to 6.52)
General Health	74.03 (68.60-79.46)	72.06 (66.01-78.10)	71.75 (65.37-78.12)	-1.98 (-7.23 to 3.28)	-2.28 (-7.80 to 3.23)