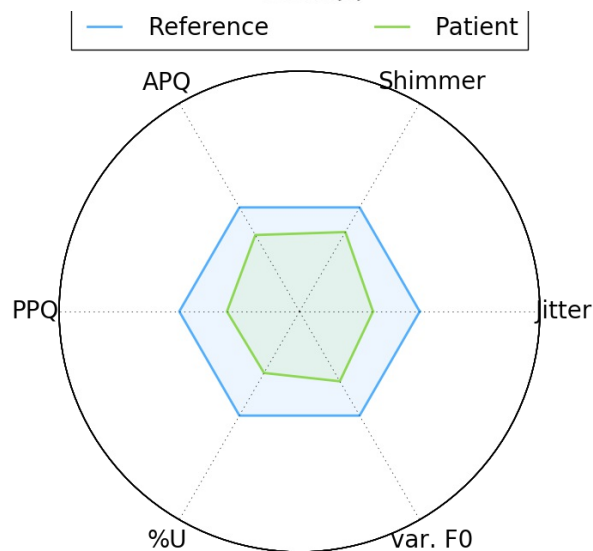
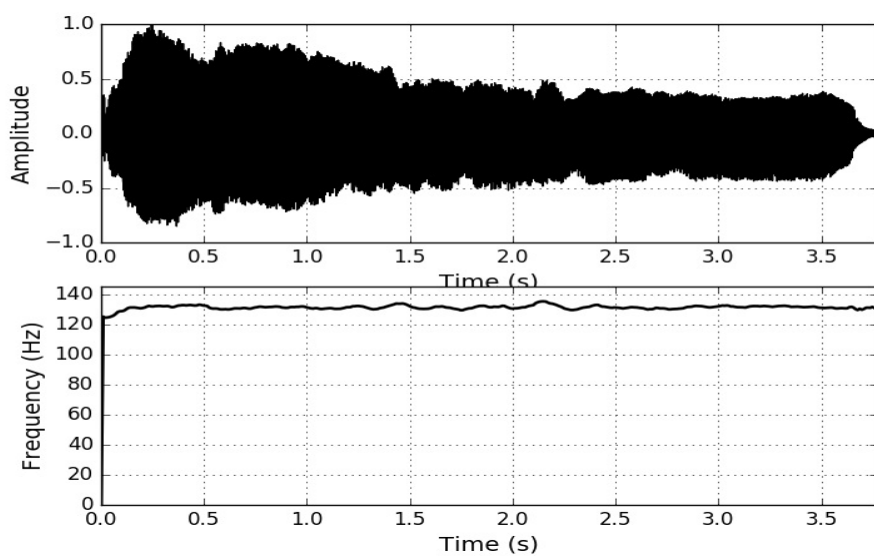


## 1. Patient

- First Name:
- Last Name:

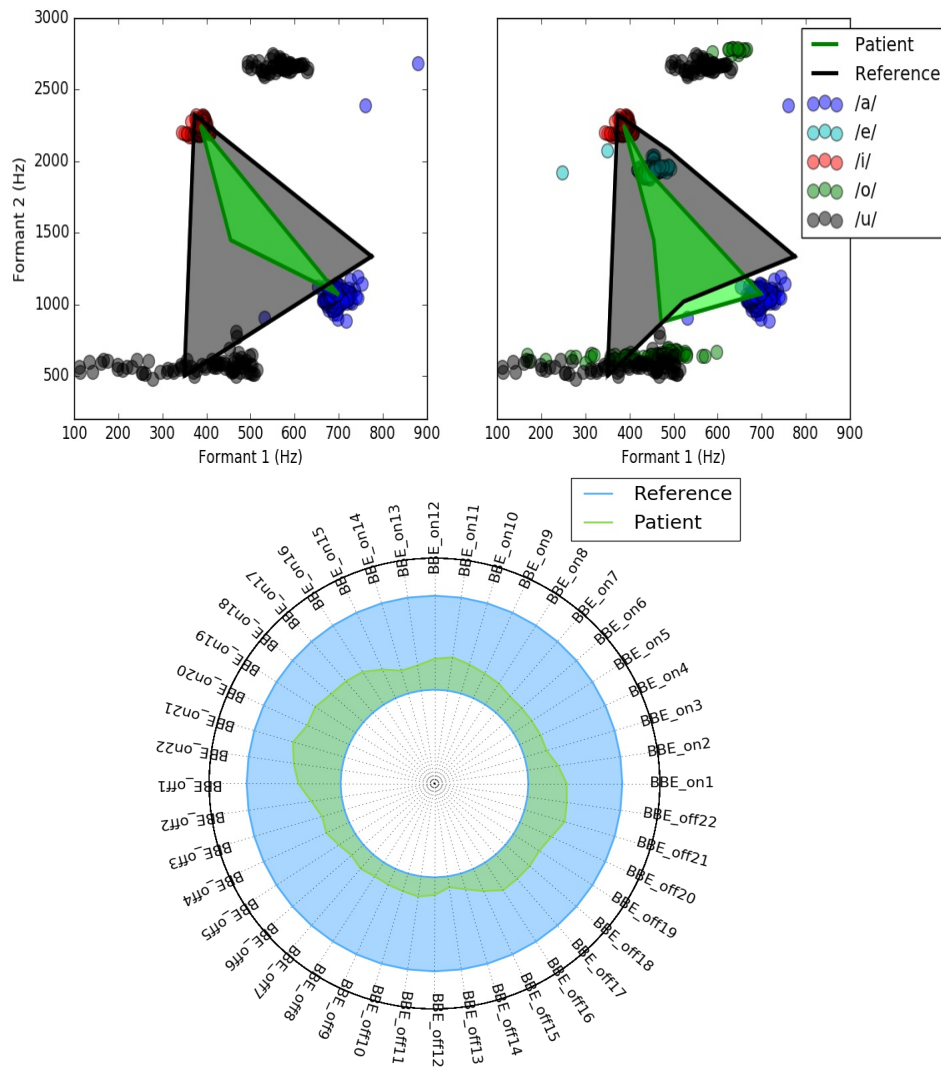
## 2. Phonation Analysis



Feature	Value	Reference for Male	Reference for Female
Jitter (%)	0.45	0.00 → 2.04	0.00 → 1.32
Shimmer (%)	3.42	2.90 → 6.50	2.40 → 6.40
APQ	3.71	2.90 → 7.90	1.90 → 8.70
PPQ	0.10	0.00 → 0.50	0.00 → 0.77
degree U (%)	1.03	0.00 → 5.70	0.27 → 3.60

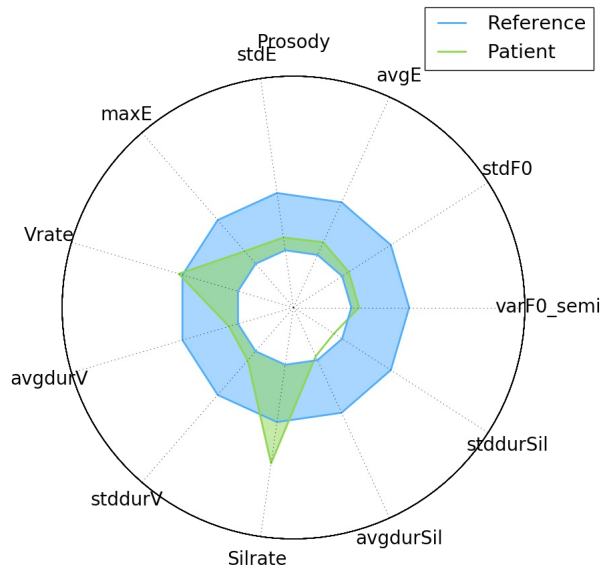
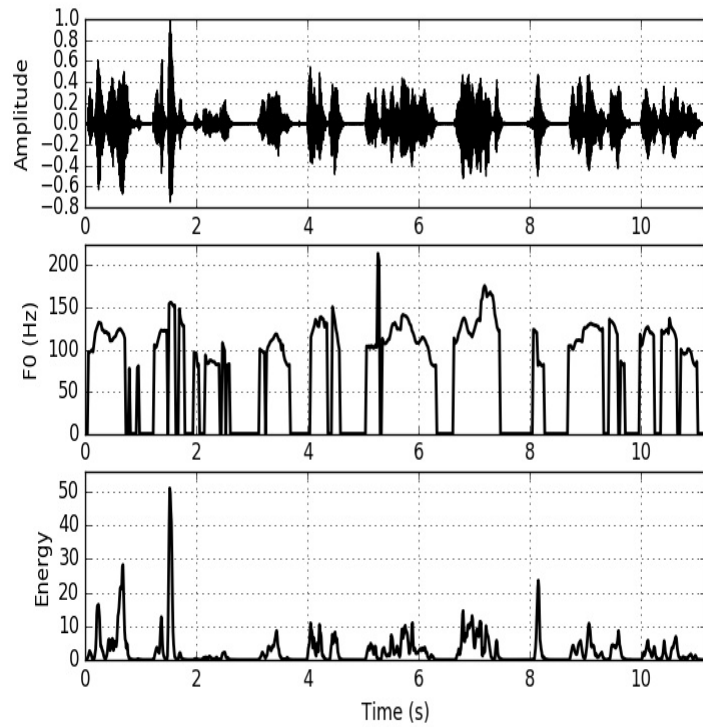
Feature	Value	Reference for Male	Reference for Female
variance F0 (semitones)	0.58	0.00→ 1.70	0.00→ 2.69

## 2. Articulation Analysis



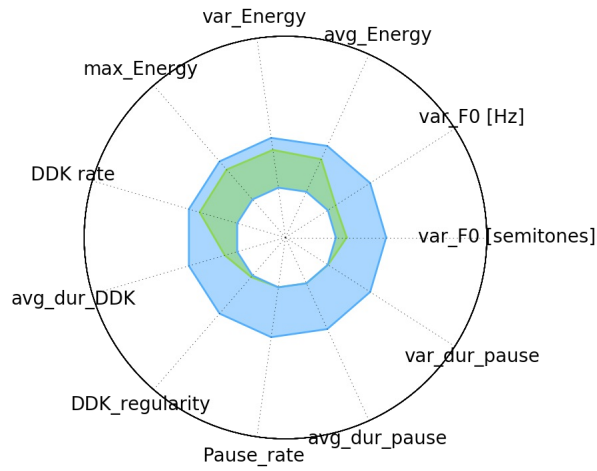
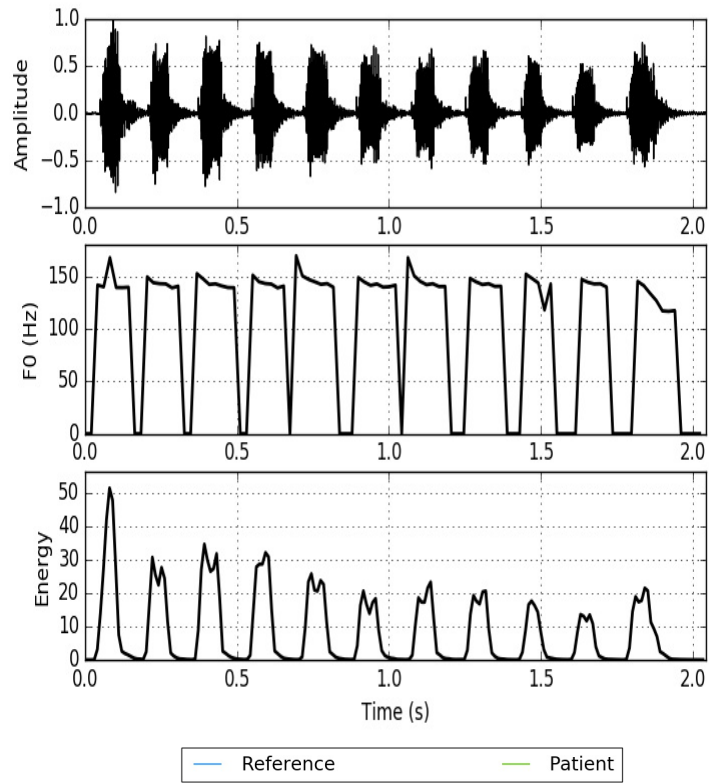
Feature	Value	Reference for Male	Reference for Female
F1/a/ (Hz)	697.57	625→ 815	688→ 974
F2/a/ (Hz)	1075.15	1084→ 1351	1340→ 1573
F1/i/ (Hz)	387.59	232→ 458	331→ 471
F2/i/ (Hz)	2244.92	2032→ 2306	2303→ 2666
F1/u/ (Hz)	455.09	368→ 494	346→ 491
F2/u/ (Hz)	1449.03	738→ 1857	545→ 1316
VSA (Hz2)	616226.15	446200→ 766800	806400→ 1206800
FCR	1.14	0.91→ 1.36	0.82→ 1.13

## 3. Prosody Analysis



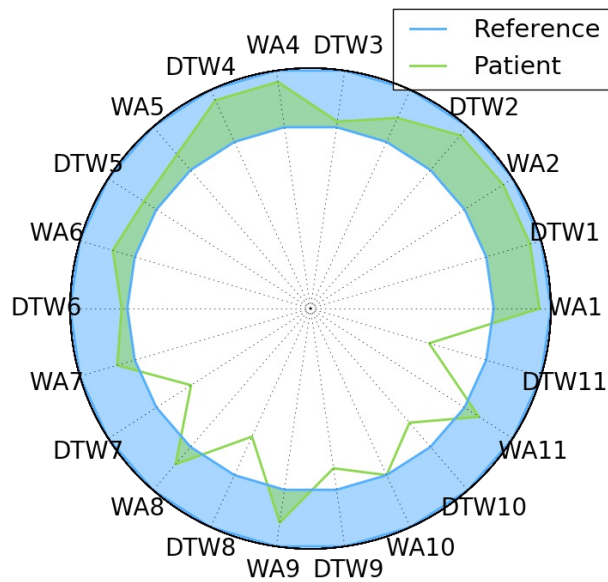
Feature	Value	Reference for Male	Reference for Female
Voiced Rate (1/s)	2.06	1.1→ 2.0	1.3→ 2.1
Avg. Dur. Voiced (ms)	280.82	241→ 488	272→ 463
Std. Dur. Voiced (ms)	226.77	170→ 443	200→ 377
Silence Rate (1/s)	1.07	0.4→ 0.8	0.4→ 0.7
Avg. Dur. Silence (ms)	334.80	388→ 1098	360→ 835
Std. Dur. Silence (ms)	142.83	236→ 792	64→ 722
Avg. Energy (dB)	3.97	2.3→ 7.0	1.9→ 6.8
Std. Energy (dB)	6.77	5.6→ 9.4	5.4→ 9.3
Avg. F0 (Hz)	116.06	117→ 168	191→ 240
Std. F0 (Hz)	21.26	19→ 36	30→ 47

## 4. DDK Analysis



Feature	Value	Reference for Male	Reference for Female
DDK Rate (1/s)	5.38	3.4→ 6.2	2.9→ 6.1
Avg. Dur. DDK (ms)	125.53	20→ 490	37→ 341
DDK regularity (ms)	12.40	0→ 313	0→ 220
Pause Rate (1/s)	0.00	0→ 0.52	0→ 0.32
Avg. Dur. Silence (ms)	0.00	388→ 1098	360→ 835
Std. Dur. Silence (ms)	0.00	236→ 792	64→ 722
Avg. Energy (dB)	9.12	5.5→ 10.6	4.2→ 8.8
Std. Energy (dB)	10.34	7.0→ 11.4	6.6→ 9.9
Var. F0 (Hz)	9.10	6→ 23	8→ 29
Var. F0 (semitones)	30.09	21→ 63	31→ 73

## 5. Intelligibility Analysis



Feature	Value	Reference
Word Accuracy	0.837273	0.85→ 1.0
Sim DTW	0.573636	0.9→ 1.0

## 5. Dysarthria Level (m-FDA)

Feature	Value	Reference
Respiration capability	0.0	0→ 4
Lips movement	0.0	0→ 4
Palate movement	0.0	0→ 4
Larinx movement	0.0	0→ 4
Tongue velocity	0.0	0→ 4
Intelligibility	0.0	0→ 4
Total m-FDA	10.0	0→ 52
Total MDS-UPDRS-III	6.0	0→ 128

