

extIPA SYMBOLS FOR DISORDERED SPEECH

(Revised to 2008)

CONSONANTS (other than on the IPA Chart)

	bilabial	labiodental	dentolabial	labioalv.	linguolabial	interdental	bidental	alveolar	velar	velophar.
Plosive		p b	þ þ	p b	t d	t d				
Nasal			m̩	m̩	n̩	n̩				
Trill					r̩	r̩				
Fricative median			f v	f v	θ ð	θ ð	h̩ h̩			fj
Fricative lateral+median								s z		
Fricative nareal	m̩							n̩ ŋ̩		
Percussive	w w						w̩			
Approximant lateral					l̩	l̩				

Where symbols appear in pairs, the one to the right represents a voiced consonant. Shaded areas denote articulations judged impossible.

DIACRITICS

↔ labial spreading	↔ s	" strong articulation	↑ f	~ denasal	~ m̩
↖ dentolabial	↖ v̩	↖ weak articulation	↖ v̩	↖ nasal escape	↖ v̩
↖ interdental/bidental	↖ n̩	↖ reiterated articulation	p\p\p	↖ velopharyngeal friction	↖ s̩
= alveolar	= t̩	↑ whistled articulation	§	↓ ingressive airflow	p↓
~ linguolabial	~ d̩	→ sliding articulation	θ̩	↑ egressive airflow	!↑

CONNECTED SPEECH

(.)	short pause
(..)	medium pause
(...)	long pause
f	loud speech [{f laud f}]
ff	louder speech [{ff laudə ff}]
p	quiet speech [{p kwaɪət p}]
pp	quieter speech [{pp kwaɪətə pp}]
allegro	fast speech [{allegro fast allegro}]
lento	slow speech [{lento slou lento}]
crescendo, ralentando, etc.	may also be used

VOICING

˘	pre-voicing	˘ z
˘	post-voicing	˘ z̩
˘	partial devoicing	˘ z̩
˘	initial partial devoicing	˘ z̩
˘	final partial devoicing	˘ z̩
˘	partial voicing	˘ z̩
˘	initial partial voicing	˘ z̩
˘	final partial voicing	˘ z̩
˘	unaspirated	˘ p̩
˘	pre-aspiration	˘ p̩

OTHERS

(˘), (˘̩), (˘̩̩)	indeterminate sound, consonant, vowel	˘̩	Velodorsal articulation
(˘̩̩̩), (˘̩̩)	indeterminate voiceless plosive, nasal, etc	˘̩̩̩	sublaminal lower alveolar percussive click
(˘̩̩̩̩)	silent articulation (ʃ), (m)	˘̩̩̩̩	alveolar and sublaminal clicks (cluck-click)
(())	extraneous noise, e.g. ((2 sylls))	*	sound with no available symbol