Table e-2. Class I and II fMRI-IAP language lateralization comparison studies

First author, y	Class	N	Language task	Baseline	Brain region examined	Concordance
Adcock, 2003[e19]	II	19	Silent word generation	Fixation	Language	100%
Arora, 2009[e15]	II	37 38 31 28	Sentence judgment (auditory) Sentence judgment (visual) Silent word generation All tasks combined	Tone comparison Line comparison Line comparison	Hemisphere	0% 68% 65% 71%
Benke, 2006[e20]	I	68	Semantic decision (auditory)	Tone decision	Frontal lobe Temporal	78% 69%
Binder, 1996[e21]	I	22	Semantic decision (auditory)	Tone decision	Hemisphere	100%
Chlebus, 2007[e23]	I	15	Silent word generation	Rest	Frontal lobe	100%
Deblaere, 2004[e24]	I	17	Silent word generation	Silent counting	Frontal lobe Hemisphere Temporal	100% 94% 82%
Ellmore, 2010[e25]	II	23	Silent naming and word generation	Fixation	Frontal lobe	91%
Gutbrod, 2012[e26]	II	20	Rhyme decision Synonym decision Sentence decision	Letter decision	*Frontal *Temporal *Combined	84%–88% 82%–84% 90%
Gaillard, 2004[e16]	I	25	Silent word generation +Reading comprehension +Auditory comprehension	Rest Passive visual patterns Rest or reversed speech	Language	84%
Janacek, 2013[e17]	II	229	Semantic decision (auditory)	Tone decision	Language	86%
Rutten, 2002[e32]	II	18	Silent verb generation only Silent verb generation + Silent object naming + Silent sentence reading	Shape decision	Language Language	72% 83%
Sabbah, 2003[e33]	II	20	Silent word generation	Rest	Hemisphere	95%
Szaflarski, 2008[e18]	II	28 27	Silent verb generation Semantic decision (auditory)	Finger tapping Tone decision	Language	82% 78%

Abbreviations: fMRI = functional MRI; IAP = intracarotid amobarbital procedure

*Combined for all tasks

Citations provided from full-length guideline, published as a data supplement at Neurology.org