

## RACHAEL FRUSH HOLT

Updated 5.17/22

### PUBLICATIONS

#### *Articles in Refereed Journals/Peer Reviewed Documents*

Lind-Combs, H., & **Holt, R. F.** (in press). Associations between parent mental state language and child inhibitory control in children who are deaf or hard of hearing. *Journal of Speech, Language, and Hearing Research*.

Bowdrie, K. **Holt, R. F.**, & Houston, D. M. (in press). Interactive effects of temperament and family-related environmental confusion on spoken language in children who are deaf or hard-of-hearing. *Journal of Speech, Language, and Hearing Research*.

Blank, A., & **Holt, R. F.** (in press). Associations between paternal play and executive function in deaf and hard-of-hearing children. *Journal of Speech, Language, and Hearing Research*.

**Holt, R. F.**, Kronenberger, W. G., & Pisoni, D. B. (2022). Family environment differentially influences spoken language in children with and without hearing loss. *Journal of Speech, Language, and Hearing Research*, 65 (1), 361-377. doi: 10.1044/2021\_JSLHR-21-00220

Bent, T. C., **Holt, R. F.**, Van Engen, K. J., Jamsek, I. A., Arzbecker, L. J., Liang, L., & Brown, E. E. (2021). How pronunciation distance impacts word recognition for children and adults. *Journal of the Acoustical Society of America*, 150, 4102-4117. <https://doi.org/10.1121/10.0008930>

Jamsek, I. A., **Holt, R. F.**, Kronenberger, W. G., & Pisoni, D. B. (2021). Differential at-risk pediatric outcomes of parental sensitivity based on hearing status. *Journal of Speech, Language, and Hearing Research*, 64, 3668-3684. [http://doi.org/10.1044/2021\\_JSLHR-20-00491](http://doi.org/10.1044/2021_JSLHR-20-00491)

Davenport, C. A., Houston, D. M., Bowdrie, K., & **Holt, R. F.** (2021). The role of early intervention in parental self-efficacy for families of children who are deaf/hard-of-hearing. *Journal of Early Hearing Detection and Intervention*, 6, 38-47. <https://doi.org/10.26077/cf34-9189>

Bowdrie, K., **Holt, R. F.**, Blank, A., & Wagner, L. (2021). Naturalistic use of aspect morphology in deaf and hard-of-hearing children. *Journal of Child Language*, 1-16. doi:10.1017/S0305000921000080

Blank, A., **Holt, R. F.**, Pisoni, D. B., & Kronenberger, W. G. (2020). Family-level executive functioning and at-risk pediatric hearing loss outcomes. *Journal of Speech,*

*Language, and Hearing Research*, 64, 218-229. [https://doi.org/10.1044/2020\\_JSLHR-20-00342](https://doi.org/10.1044/2020_JSLHR-20-00342)

Lee, Y., Ahn, S., **Holt, R. F.**, & Schellenberg, G. (2020). Rhythm and syntax processing in school-age children. *Developmental Psychology*, 56, 1632-1641.

**Holt, R. F.**, Beer, J., Kronenberger, W. G., Pisoni, D. B., Lalonde, K., & Mulinaro, L. (2020). Family environment in children with hearing aids and cochlear implants: Associations with spoken language, psychosocial functioning, and cognitive development. *Ear & Hearing*, 41, 762-774. DOI: [10.1097/AUD.0000000000000811](https://doi.org/10.1097/AUD.0000000000000811)

Blank, A., **Holt, R. F.**, Pisoni, D. B., & Kronenberger, W. G. (2020). Associations between parental stress, language comprehension, and inhibitory control in children with hearing loss. *Journal of Speech, Language, and Hearing Research*, 63, 321-333. [doi.org/10.1044/2019\\_JSLHR-19-00230](https://doi.org/10.1044/2019_JSLHR-19-00230)

**Holt, R. F.** (2019). Family environment contributions to children's neurocognitive development. *The Volta Review*, 119, 125-141. [Invited]

Blank, A., **Holt, R. F.**, & Wagner, L. (2019). Inhibitory control and receptive vocabulary influence on aspect comprehension in children. *Applied Psycholinguistics*, 1-19. doi: [10.1017/S0142716419000432](https://doi.org/10.1017/S0142716419000432)

Davenport, C., & **Holt, R. F.** (2019). Influence of family environment on developmental outcomes in children with cochlear implants: A matched case study. *Volta Review*, 119, 29-55.

**Holt, R. F.** (2019). Assistive hearing technology for deaf and hard-of-hearing spoken language learners. *Education Sciences*, 9, 153-175. doi:10.3390/educsci9020153 [Invited]

Bent, T., **Holt, R. F.**, Miller, K., & Libersky, E. (2019). Sentence context facilitation for children's and adults' recognition of native and nonnative-accented speech. *Journal of Speech, Language, and Hearing Research*, 62, 423-433. [https://doi.org/10.1044/2018\\_JSLHR-H-18-0273](https://doi.org/10.1044/2018_JSLHR-H-18-0273)

Moberly, A. C., Vasil, K., Wucinich, T. L., Safdar, N., Boyce, L., Roup, C., **Holt, R. F.**, Adunka, O. F., Castellanos, I., Houston, D. M., & Pisoni, D. B. (2018). How does aging affect recognition of spectrally degraded speech? *Laryngoscope*, 128 (Suppl. 5), S1-S16. doi:10.1002/lary.27457

Bent, T., & **Holt, R. F.** (2018). Shhh... I need quiet! Children's understanding of American, British, and Japanese Speakers. *Language and Speech*, 61(4), 657-573.

Youngdahl, C. L., Healy, E. W., Yoho, S. E., Apoux, F., & **Holt, R. F.** (in press). The effect of remote masking on the reception of speech by young school-aged children. *Journal of Speech, Language, and Hearing Research*.

- Bent, T., & **Holt, R. F.** (2017). Representation of speech variability. *Wiley Interdisciplinary Reviews: Cognitive Science*, 1-14. doi: 10.1002/wcs.1434. [Invited]
- Holt, R. F.** & Bent, T. (2017). Children's use of semantic context in perception of foreign-accented speech. *Journal of Speech, Language, and Hearing Research*, 60, 223-230. doi: 10.1044/2016
- Lalonde, K., & **Holt, R. F.** (2016). Audiovisual speech perception development at varying levels of perceptual processing. *Journal of the Acoustical Society of America*, 139, 1713-1723. doi: 10.1121/1.4945590
- Phan, J., Houston, D. M., Ruffin, C., Ting, J., & **Holt, R. F.** (2016). Factors affecting speech discrimination in children with cochlear implants: Evidence from early-implanted infants. *Journal of the American Academy of Audiology*, 27, 480-488.
- Lalonde, K., & **Holt, R. F.** (2015). Preschoolers benefit from visually salient speech cues. *Journal of Speech, Language, and Hearing Research*, 58, 135-150. doi:10.1044/2014\_JSLHR-H-13-0343
- Lalonde, K., & **Holt, R. F.** (2014). Cognitive and linguistic sources of variance in 2-year-olds' speech-sound discrimination. *Journal of Speech, Language, and Hearing Research*, 57, 308-326. doi:10.1044/1092-4388(2013/12-0227).
- Bent, T., & **Holt, R. F.** (2013). The influence of talker and foreign-accent variability on spoken word identification. *Journal of the Acoustical Society of America*, 133, 1677-1686.
- Beer, J., **Holt, R. F.**, & Harris, M. S. (2013). Cochlear implantation in children with additional diagnoses: Current trends and outcomes. *Otorhinolaryngologia: Cutting edge Otolaryngology Special Issue*, 63, 1-16.
- Holt, R. F.**, Beer, J., Kronenberger, W. G., & Pisoni, D. B. (2013). Developmental effects of family environment on outcomes in pediatric cochlear implant recipients. *Otology and Neurotology*, 34, 388-395.
- Holt, R. F.**, Beer, J., Kronenberger, W. G., Pisoni, D. B., & Lalonde, K. (2012). Contribution of family environment to pediatric cochlear implant users' speech and language outcomes: Some preliminary findings. *Journal of Speech, Language, and Hearing Research*, 55, 848-864.
- Beer, J., Harris, M. S., Kronenberger, W. G., **Holt, R. F.**, & Pisoni, D. B. (2012). Auditory skills, language, and adaptive behavior of children with cochlear implants and additional disabilities. *International Journal of Audiology*, 51, 491-498.

**Holt, R. F., & Lalonde, K. (2012).** Assessing toddlers' speech-sound discrimination. *International Journal of Pediatric Otorhinolaryngology, 76*, 680-692.

**Holt, R. F. (2011).** Enhancing speech discrimination through stimulus repetition. *Journal of Speech, Language, and Hearing Research, 54*, 1431-1447.

**Holt, R. F., Kirk, K. I., & Hay-McCutcheon, M. (2011).** Assessing multimodal spoken word-in-sentence recognition in children with normal hearing and children with cochlear implants. *Journal of Speech, Language, and Hearing Research, 54*, 632-657.

**Holt, R. F., & Svirsky, M. A. (2008).** An exploratory look at pediatric cochlear implantation: Is earliest always best? *Ear and Hearing, 29*, 492-511.

Kirk, K. I., Hay-McCutcheon, M. J, **Holt, R. F.**, Gao, S., Qi, R., & Gehrlein, B. L. (2007). Audiovisual spoken word recognition by children with cochlear implants. *Audiological Medicine, 5*, 250-261.

**Holt, R. F., & Carney, A. E. (2007).** Developmental effects of multiple looks in speech sound discrimination. *Journal of Speech, Language, and Hearing Research, 50*, 1404-1424.

**Holt, R. F., & Carney, A. E. (2005).** Multiple looks in speech sound discrimination in adults. *Journal of Speech, Language, and Hearing Research, 48*, 922-943.

**Holt, R. F., Kirk, K. I., Eisenberg, L. S., Martinez, A. S., & Campbell, W. (2005).** Spoken word recognition development in children with residual hearing using cochlear implants and hearing aids in opposite ears. *Ear and Hearing, 26* (Suppl.), 82S-91S.

**Holt, R. F., & Kirk, K. I. (2005).** Speech and language development in cognitively delayed children with cochlear implants. *Ear and Hearing, 26*, 132-148.

### ***Book Chapters (Refereed)***

Bergeson, T. R., & **Holt, R. F.** (2017). Assisted music listening in hearing impairment. In R. Ashley & R. Timmers (Eds.), *The Routledge Companion to Companion to Music Cognition* (pp. 237-248). New York, NY: Routledge. [Invited]

\* This volume received the Citation of Merit from the Society for Music Theory

**Holt, R. F.** (submitted). Family dynamics impact cochlear implant outcomes. In N. Young & K. Iler Kirk (Eds.), *Pediatric Cochlear Implantation: Learning and the Brain* (pp. xxx-xxx). New York, NY: Springer. [Invited]

### ***Non-refereed Articles/Proceedings***

Kirk, K. I., Firszt, J. B., Hood, L. J., & **Holt, R. F.** (2006, Nov. 28). New directions in pediatric cochlear implantation: Effects on candidacy. *The ASHA Leader*, 11(16), 6-7, 14-15.

Kirk, K. I., & **Holt, R. F.** (2006). Cochlear implantation in children with cognitive delays. *Sound Waves: Advanced Bionics Newsletter for Professionals*, 3, 1-4.

**Holt, R. F.**, Svirsky, M.A., Neuburger, H., & Miyamoto, R. T. (2004). Age at implantation and communicative outcome in pediatric cochlear implant users: Is younger always better? *International Congress Series 1273: Proceedings of the VIII International Cochlear Implant Conference, Indianapolis, May 10-13* (pp. 368-371). Amsterdam: Elsevier.

Woods, W. S., **Frush, R. A.**, & Van Tasell, D. J. (1999). "Preference space" for parameters of two-channel speech compression. *Proceedings of the IEEE Workshop on Applications of Signal Processing to Audio and Acoustics, New Paltz, New York, Oct. 17-20*.