

School of Rehabilitation Sciences

Department of Speech-Language-Hearing therapy

<http://www.hoku-iryo-u.ac.jp/eng/reha.html>

The Department of Speech-Language-Hearing Therapy is designed for students who wish to become speech-language pathologists and audiologists. The curriculum covers the subjects required for national certification and also addresses the study of the human mind from basic to clinical areas. In addition, our 4-year undergraduate program puts great emphasis on clinical training.

Since the revision of the national health plan, the demand for speech therapists has been rapidly increasing. Upon completion of the undergraduate program, students are eligible to take the examination for the national certificate to become a "Speech-Language-Hearing Therapist". Students may continue their study in our Master's program for more intensive clinical training and in our Doctoral program for further research.

Name	Professor Yoshitsugu Nakagawa, MD, PhD
Research field	Neuropsychiatry, Neuropsychology
Key words	apraxia, dementia, aphasia

Name	Professor Atsushi Shimomura, PhD
Research field	Developmental biology
Key words	Stem cells, Sensory neurons, Inner ear
Overview of Current Research	My current research is focused on elucidating the epigenetic mechanisms underlying cellular differentiation of pluripotent stem cells into sensory neurons in the inner ear.

Name	Professor Itaru Tamura, RST, PhD
Research field	Neuropsychology
Key words	Body representations, Executive functions, Memory
Overview of Current Research	<p>A case of pure autotopagnosia following Creutzfeldt-Jakob disease. <i>Cognitive Neuropsychology</i>, 2016,33,7-8:398-404(Tamura I, Hamada S, Soma H, Moriwaka F, Tashiro K)</p> <p>Executive dysfunction in patients with spinocerebellar ataxia type3. <i>Journal of Neurology</i>,2018, 265:1563-1572(Tamura I, Takei A, Hamada S ,Soma H, Nonaka M ,Homma S , Moriwaka F)</p> <p>Cognitive dysfunction in patients with spinocerebellar ataxia type 6. <i>Journal of Neurology</i>,2017,264 : 260-267(Tamura I, Takei A, Hamada S , Nonaka M , Kurosaki Y , Moriwaka F)</p>

Name	Professor Ryusaku Hashimoto, PhD
Research field	Clinical Neuropsychology
Key words	specific learning disorder, specific language disorder, developmental coordination disorder
Overview of Current Research	https://www.researchgate.net/profile/Ryusaku_Hashimoto/research

Name	Associate professor Shinji Fukuda, MA
Research field	Linguistics, Psycholinguistics
Key words	specific language impairment, grammatical deficit, language development, language acquisition, bilingualism

Name	Associate professor Yoshiko Kurosaki, RST, PhD
Research field	Neuropsychiatry, neuropsychology
Key words	apraxia, dementia, aphasia

Name	Senior assistant professor Saori Yanagida, RST, PhD
Research field	Clinical voice disorders, Voice therapy
Key words	Voice evaluation, Spasmodic dysphonia, Voice therapy
Overview of Current Research	<p>Main research interests are evaluation and treatment of voice disorders. Recently, focusing on differentiation and treatment of muscle tension dysphonia and spasmodic dysphonia using surface electromyogram.</p> <ol style="list-style-type: none"> 1. <u>Yanagida S.</u> The role and limitation of speech-language-hearing therapists in discrimination between muscle tension dysphonia and adductor spasmodic dysphonia. JSLP. 2019; 60(4): 305-313. 2. <u>Yanagida S.</u> Reply to: "Reliability and Validity of Speech Evaluation in Adductor Spasmodic Dysphonia; Common Mistake and Statistical Issues" by Saori Yanagida. J of voice. 2019; 33(1): 51. 3. Nishizawa N & <u>Yanagida S.</u> The clinical diagnosis of spasmodic dysphonia. Larynx Japan. 2018; 30(2): 80-85. 4. <u>Yanagida S,</u> Nishizawa N, Mizoguchi K, Hatakeyama H, Homma A, Fukuda S. Auditory perceptual study of homonym discrimination in speakers with adductor spasmodic dysphonia. JSLP. 2018; 59(1): 16-21. 5. Yanagida S, Nishizawa N, Hashimoto R, Mizoguchi K, Hatakeyama H, Homma A, Fukuda S. Reliability and validity of speech evaluation in adductor spasmodic dysphonia. J of Voice. 2018; 32(5): 585-591. 6. Mizoguchi K, Hatakeyama H, <u>Yanagida S,</u> Nishizawa N, Oridate N, Fukuda S, Homma A. Perioperative complications and safety of type II thyroplasty (TPII) for adductor spasmodic dysphonia. Eur Arch Otorhinolaryngol. 2017; 274: 2215-2223. 7. <u>Yanagida S,</u> Nishizawa N, Hatakeyama H, Mizoguchi K, Homma A, Fukuda S. Investigative study on spasmodic dysphonia. JSLP. 2016; 57(4): 391-397. 8. <u>Yanagida S,</u> Nishizawa N, Mizoguchi K, Hatakeyama H and Fukuda S: Voice Onset Time for the Word-Initial Voiceless Consonant /t/ in Japanese Spasmodic Dysphonia - A Comparison with Normal Controls -. J of Voice. 2015; 29(4): 450-454. 9. <u>Yanagida S,</u> Nishizawa N, Mesuda Y. Voice onset time for the word-initial voiceless consonant /ta/ in abductor spasmodic dysphonia - a comparison with normal controls -. JSLP. 2012; 53(4): 329-335. 10. <u>Yanagida S,</u> Imai S, Sakakibara K, Nishizawa N. Vocal development during the prelinguistic period. JSLP. 2011; 52(1): 1-8.

Name	Senior assistant professor Tomoko Iizumi, RST, PhD
Research field	Dysphagia
Key words	dysphagia, swallowing, oral rehabilitation, tongue movement
Overview of Current Research	<p>Iizumi T, Yoshino M, Kagaya H, Hori K, Ono T. (2018) : Effect of tongue-palate contact mode on food transport during mastication. J Oral Rehabil. 2018 Aug; 45(8):605-611.</p> <p>Iizumi T, Magara J, Tsujimura T, Inoue M. Effect of body posture on chewing behaviours in healthy volunteers. J Oral Rehabil. 2017, Nov;44(11):835-842.</p>

Name	Senior assistant professor Satoko Kasai, RST, MS
Research field	Audiology
Key words	cochlear implants, vocabulary development, speech production, phonological awareness