

RECENT PUBLICATIONS

April 1986 - March 1987

A. Publications in English

A.1. Publications in Periodicals

A.1.i. Original Contributions

Hosoi, H., H. Abe, F. Ohta and S. Imaizumi: A Practical Method of Analysis for Impaired Speech Perception Using Psychoacoustic Proximity between Japanese Monosyllables. *J. Acoust. Soc. Jpn. (E)*, 7, 197-206, 1986.

Hirose, H.: Pathophysiology of Motor Speech Disorders (Dysarthria). *Folia Phoniat.*, 38, 61-88, 1986.

Imaizumi, S.: Acoustic Measures of Roughness in Pathological Voice. *J. Phonetics*, 14, 457-462, 1986.

Kiritani, S.: X-Ray Microbeam Method for Measurement of Articulatory Dynamics-Techniques and Results. *Speech Communication* 5, 119-140, 1986.

A.1.ii. Review Articles

none

A.1.iii. Progress Reports

Hirose, H.: Pathophysiology of Motor Speech Disorders (Dysarthria). *Ann. Bull. RILP*, 20, 169-204, 1986.

Imagawa, H., S. Kiritani and H. Hirose: Improvements in the High-Speed Digital Image Recording System for Observing Vocal Fold Vibration. *Ann. Bull. RILP*, 20, 17-22, 1986.

Imaizumi, S.: Clinical Application of the Acoustic Measurement of Pathological Voice Qualities. *Ann. Bull. RILP*, 20, 211-216, 1986.

Itoh, K.: A Neuro-Synaptic Model of Auditory Memory and Pitch Perception. *Ann. Bull. RILP*, 20, 83-102, 1986.

Itoh, K., T. Abe, M. Takahashi, M. Tojo and S. Kikkawa: Visuo-Acoustic Interaction in the Image Space of Binaural Sounds. *Ann. Bull. RILP*, 20, 69-82, 1986.

Kiritani, S., H. Imagawa and H. Hirose: Simultaneous High-Speed Digital Recording of Vocal Fold Vibration, Speech and EGG. *Ann. Bull. RILP*, 20, 11-15, 1986.

Konno, K., M. Sugishita and H. Hirose: Durational Aspect of Prosody in Broca's Aphasia. Ann. Bull. RILP, 20, 161-168, 1986.

Kuriyagawa, F., M. Sawashima, S. Niimi and H. Hirose: An Electromyographic Study of the Emphatic Consonants in Standard Jordanian Arabic. Ann. Bull. RILP, 20, 23-31, 1986.

Kuriyagawa, F. and M. Sawashima: Vowel Duration in Japanese /tsu̠ku/ and /tsuku̠/. Ann. Bull. RILP, 20, 119-130, 1986.

Kuriyagawa, F.: Duration of Vowels in Nouns in the Construct State in Hebrew. Ann. Bull. RILP, 20, 131-140, 1986.

Masaki, S., S. Kiritani, S. Niimi and K. Shirai: Influences of Increase in Speaking Rate on Jaw and Tongue Positions for Vowels in the Production of Vowel Sequence Words. Ann. Bull. RILP, 20, 33-46, 1986.

Mochizuki-Sudo, M. and K. Tanno-Sato: Syntactic Control of Speech Timing. Ann. Bull. RILP, 20, 103-117, 1986.

Niimi, S., H. Nakayama, S. Masaki, H. Hirose and S. Kiritani: A Preliminary Report on the Tongue Dynamics of Dysarthric Patients. Ann. Bull. RILP, 20, 205-210, 1986.

Nishizawa, N. and H. Hirose: Idiopathic Associated Laryngeal Palsy. Ann. Bull. RILP, 20, 225-234, 1986.

Rokkaku, M., K. Hashimoto, S. Imaizumi, S. Niimi and S. Kiritani: Measurements of the Three-Dimensional Shape of the Vocal Tract Based on the Magnetic Resonance Imaging Technique. Ann. Bull. RILP, 20, 47-54, 1986.

Sawashima, M., K. Honda, S. Niimi and H. Hirose: Some Clinical Data on Aerodynamic Examination Using the Airway Interruption Method. Ann. Bull. RILP, 20, 217-224, 1986.

Yoshioka, H., A. Löfqvist, H. Hirose and R. Collier: How Voiceless Sound Sequences are Organized in Terms of Glottal Opening Gestures. Ann. Bull. RILP, 20, 55-67, 1986.

A.1.iv. Abstracts of Meeting Papers

Abe, M., M. Sawashima and K. Okazaki: Observation on a Particular Type of Articulation Error: Nasopharyngeal Articulation. Folia Phoniatic., 38, 279, 1986.

Imaizumi, S.: Acoustic Correlates of Pathological Voice Qualities. Folia Phoniatic., 38, 309, 1986.

Kameyama, T., S. Niwa, K. Hiramatsu, O. Saitoh, M. Fukuda, K. Nakagome and K. Itoh: Event-Related Potential Correlates of

Psychotropic Drug Action on Attentional and Hemispheric Dysfunction in Schizophrenia. Jpn. J. Psychiat. Neurol., 40, 125, 1986.

Koike, Y., J. Udaka, M. Daito, Y. Kitano and S. Imaizumi: Quantitative Analysis for Vocal Fold Vibration by Means of Cinestroboscopy. Folia Phoniat., 38, 320, 1986.

Sawashima, M., K. Honda and Y. Aoki: Measurement of Expiratory Lung Pressure during Phonation by Use of the Airway Interruption Method. Folia Phoniat., 38, 350, 1986.

Ushijima, T., Y. Kase, K. Honda, S. Niimi and H. Hirose: Effectiveness of Intracordal Injection for Sulcus Vocalis. Folia Phoniat., 38, 365, 1986.

Yamaguchi, H., Y. Yotsukura, R. Kondo, Y. Hanyuu, S. Horiguchi, S. Imaizumi and H. Hirose: Nonsurgical Therapy for Vocal Nodules. Folia Phoniat., 38, 372-373, 1986.

Yonekawa, H., F. Ohta, S. Imaizumi and Y. Koike: A Clinical Study on Reinke's Oedema. Folia Phoniat., 38, 375, 1986.

Yoshioka, H., A. Löfqvist, H. Hirose and R. Collier: How are Voiceless Sounds Organized in Terms of Glottal Opening? Folia Phoniat., 38, 376-377, 1986.

A.2. Contributions in Meeting Proceedings etc.

A.2.i. Printed Texts of Symposium Papers etc.

none

A.2.ii. Meeting Papers in Proceedings or Digests

Abe, M., M. Sawashima and K. Okazaki: Observation on a Particular Type of Articulation Error: Nasopharyngeal Articulation. Proceedings of the XXth IALP Congress, 182-183, 1986.

Gauffin, J., B. Hammarberg and S. Imaizumi: A Microcomputer Based System for Acoustic Analysis of Voice Characteristics. Proceedings of ICASSP 86, Tokyo, 681-684, 1986.

Hosoi, H., H. Abe, F. Ohta and S. Imaizumi: Assessment of Speech Discrimination Ability of Hearing Impaired Subjects Using FIR Digital Filter. Proceedings of ICASSP 86, Tokyo, 613-616, 1986.

Imaizumi, S.: Acoustic Measurement of Pathological Voice Qualities for Medical Purposes. Proceedings of ICASSP 86, Tokyo, 677-680, 1986.

Imaizumi, S.: Acoustic Correlates of Pathological Voice

- Qualities. Proceedings of the XXth IALP Congress, 406-407, 1986.
- Kameyama, T., S. Niwa, K. Hiramatsu, O. Saitoh, M. Fukuda, K. Nakagome and K. Itoh: Event-Related Potential Correlates of Psychotropic Drug Effects on Attentional and Hemispheric Dysfunction in Schizophrenia. Abstracts of the 3rd International Symposium on Cerebral Dynamics, Laterality and Psychopathology, 20, 1986.
- Kiritani, S., K. Honda, H. Imagawa and H. Hirose: Observation of Pathological Vocal Fold Vibrations Using a High-Speed Digital Image Recording System. Proceedings of the XXth IALP Congress, 338, 1986.
- Kiritani, S., K. Honda, H. Imagawa and H. Hirose: Simultaneous High-Speed Digital Recording of Vocal Fold Vibration and Speech Signal. Proceedings of ICASSP 86, Tokyo, 1633, 1986.
- Koike, Y., J. Udaka, M. Daito, Y. Kitano and S. Imaizumi: Quantitative Analysis for Vocal Fold Vibration by Means of Cinestroboscopy. Proceedings of the XXth IALP Congress, 412-413, 1986.
- Kumai, K., K. Suzuki and S. Niimi: Development of Articulation in Cleft Palate Children. Proceedings of the XXth IALP Congress, 230-231, 1987.
- Masaki, S., K. Shirai and S. Kiritani: Effects of Tempo and Context on Jaw Openings for Vowels in Vowel Sequence Words. Proceedings of ICASSP 86, Tokyo, 1629, 1986.
- Niimi, S., S. Kiritani and H. Hirose: Ultrasonic Observation Method of the Tongue and Its Clinical Application. Proceedings of the XXth IALP Congress, 168-169, 1986.
- Sawashima, M., K. Honda and Y. Aoki: Measurement of Expiratory Lung Pressure during Phonation by Use of the Airway Interruption Method. Proceedings of the XXth IALP Congress, 424-425, 1986.
- Ushijima, T., Y. Kase, K. Honda, S. Niimi and H. Hirose: Effectiveness of intracordal injection for Sulcus Vocalis. Proceedings of the XXth IALP Congress, 490-491, 1987.
- Yamaguchi, H., Y. Yotsukura, R. Kondo, Y. Hanyuu, S. Horiguchi, S. Imaizumi and H. Hirose: Nonsurgical Therapy for Vocal Nodules. Proceedings of the XXth IALP Congress, 458-459, 1986.
- Yonekawa, H., F. Ohta, S. Imaizumi and Y. Koike: A Clinical Study on Reinke's Oedema. Proceedings of the XXth IALP Congress, 440-441, 1986.

A.3. Contributions in Separate Publications

A.3.i. Part of a Textbook, Handbook, Anthologies etc.

Hirose, H.: Laryngeal Electromyography. Chapter 48, Otolaryngology (Ed. English, G.E.), Harper & Row, Philadelphia, 1-14, 1985.

Hirose, H.: Electromyography of the Laryngeal and Pharyngeal Muscles. Otolaryngology - Head and Neck Surgery (Eds. Cummings, C.W., J.M. Fredrickson, L.A. Harker, C.J. Krause and D.E. Schuller), C.V. Mosby, St. Louis, 1823-1828, 1986.

Imaizumi, S.: Spectrographic Evaluation of Laryngeal Pathology. Otolaryngology - Head and Neck Surgery (Eds. Cummings, C.W., J.M. Fredrickson, L.A. Harker, C.J. Krause and D.E. Schuller), C.V. Mosby, St. Louis, 1838-1845, 1986.

Kameyama, T., S. Niwa, K. Hiramatsu, O. Saitoh, M. Fukuda and K. Itoh: Event-Related Potential Correlates of Psychotropic Drug Action on Attentional and Cognitive Impairments in Schizophrenia. Biological Psychiatry (Ed. Shagass, C.), Elsevier, Amsterdam, 401-403, 1986.

Sawashima, M. and K. Honda: An Airway Interruption Method for Estimating Expiratory Air Pressure during Phonation. Laryngeal Function in Phonation and Respiration (Eds. Bare, T., C. Sasaki and K. Harris), College-Hill Pub., 439-447, 1987.

A.3.ii. Monographs

none

A.4. Translations

none

B. Publications in Japanese

B.1. Publications in Periodicals

B.1.i. Original Contributions

Abe, H., H. Yonekawa, F. Ohta and S. Imaizumi: Reproducibility of Hoarse Voice Psychoacoustic Evaluation. Jpn. J. Logop. Phoniater., 27, 168-177, 1986.

Endo, K., Y. Fukusako, H. Monoi, I.F. Tatsumi, K. Kumai, M. Kawamura and H. Hirose: Characteristics of Dysarthric Speech in Unilateral Cerebral Lesions. Jpn. J. Logop. Phoniater., 27, 129-136, 1986.

Hirose, H. and N. Nishizawa: Associated Laryngeal Paralysis -With Special Reference to Idiopathic Paralysis-. Oto-Rhino-Laryngol. Clinic (Kyoto), 79, 1968-1971, 1986.

Hosoi, H., T. Nishimae, K. Murata, F. Ohta and S. Imaizumi: A Study on Abrupt High Tone Loss in Perceptive Hearing-Impaired Patients by Using New Audiological Method -Characteristics Observed in the Confusion Chart and the Width of Uncertainty in DLSI-. J. Otolaryngol. Jpn., 89, 706-714, 1986.

Nakagome, K., S. Nagakubo, M. Fukuda, O. Saitoh, T. Kameyama, K. Hiramatsu, N. Anzai, S. Niwa and K. Itoh: Short-Term Memory Functioning and Valproate. Psychiatric Medicine, 29, 209-211, 1987.

B.1.ii. Review Articles

Hirose, H.: Mechanism of Phonation and Articulation. Shinkei Kenkyu no Shinpo 30, 380-388, 1986.

Hirose, H.: Phonatory Examination in ENT Practice. Comm. ENT Specialist, 7, 819, 1986.

Hirose, H.: Voice and Speech Disturbances. JOHNS 2, 459-463, 1986.

Hirose, H.: Voice Disorders. Saitama Med. J., 21, 91-92, 1986.

Hirose, H.: Pathophysiology of Motor Speech Disorders (Dysarthria). Jpn. J. Logoped. Phoniatr., 28, 50-52, 1987.

Hirose, H.: Dysarthria and Its Rehabilitation (1), Sogo Rehabilitation, 15, 63-68, 1987.

Hirose, H.: Dysarthria and Its Rehabilitation (2), Sogo Rehabilitation, 15, 145-150, 1987.

Imaizumi, S.: Psychometric Evaluation of Voice Quality. J. Acoust. Soc. Jpn., 42, 828-833, 1986.

Kasuya, H. and S. Imaizumi: Symposium on Voice Acoustics and Dysphonia. J. Acoust. Soc. Jpn., 42, 407-409, 1986.

Niimi, S.: Speech Disorders. Pediatrics of Japan, 28, 195-202, 1987.

Saitoh, O., K. Hiramatsu, T. Kameyama, M. Fukuda, S. Niwa and K. Itoh: Attention and Event-Related Brain Potentials. Shinkei Kenkyu No Shimpo, 30, 827-840, 1986.

Sawashima, M.: Report of the 20th IALP Congress. Japan J. Logoped. Phoniatr., 28, 26-44, 1987.

B.1.iii. Progress Reports

Nakagome, K., S. Nagakubo, M. Fukuda, O. Saitoh, K. Hiramatsu, N. Anzai, S. Niwa, M. Miyauchi, Y. Okazaki, M. Ohta, T. Kameyama and K. Itoh: Psychoacting Drugs and Short-Term Memory Functioning. Ann. Rep. Pharmacopsychiat. Res. Found, 18, 311-318, 1986.

B.1.iv. Abstracts of Meeting Papers

Furukawa, K., H. Takahashi, T. Shitara, K. Yao, M. Okamoto, T. Ishii, M. Nakahara, K. Harada, S. Furusawa and S. Niimi: Laser Surgery for Laryngeal Pathology. J. Jpn. Bronchoesophagol. Soc., 37, 185-186, 1986.

Hirose, H.: Progress in Diagnosis in Bronchoesophagology: Introductory Remarks, J. Jpn. Bronchoesophagol. Soc., 37, 84-85, 1986.

Hosoi, H., Y. Yoshioka, F. Ohta and S. Imaizumi: A New Measurement Method of MCL. Audiology Japan, 29, 549-550, 1986.

Hosoi, H., T. Nishimae, K. Murata, F. Ohta and S. Imaizumi: Characteristics Observed in the Confusion Chart and the Width of Uncertainty in DLSI for Perspective Hearing Impaired with Abrupt High Tone Loss. J. Otolaryngol. Jpn., 89, 706-714, 1986.

Ishii, T., K. Harada, K. Furukawa, K. Yao, H. Takahashi, T. Shitara and S. Niimi: Morphological Study of the Cricothyroid Muscle. J. Jpn. Bronchoesophagol. Soc., 37, 227, 1986.

Kuriyagawa, F.: Vowel Duration on Construct State of Modern Hebrew. Bull. of the Society for Near Eastern Study in Japan, 29, 2, 1986.

Niimi, S., H. Hirose, S. Kiritani and S. Masaki: Ultrasonic Observation of the Tongue Configuration. J. Otolaryngol. Jpn. 89, 1421, 1986.

Nishizawa, N., M. Sawashima, H. Hirose, S. Niimi, K. Honda and H. Saita: Observation of the Larynx by Use of a Stereo-Endoscope. J. Otolaryngol. Jpn., 89, 1307, 1986.

Onishi, Y., T. Senba, S. Niimi and H. Hirose: A New Technique of Laryngography. J. Jpn. Bronchoesophagol. Soc., 37, 198, 1986.

Sawashima, M., H. Hirose, S. Niimi, S. Horiguchi and K. Honda: Relationship among Expiratory Pressure, Flow Rate and Intensity during Phonation. J. Otolaryngol. Jpn., 89, 1421, 1986.

Tsutsumi, K., T. Yamasoba, Y. Onishi, S. Niimi and H. Hirose: An Experience of Treatment of Benign Hypopharyngeal Tumor. J. Jpn. Bronchoesophagol. Soc., 37, 218, 1986.

Ushijima, T., Y. Kase, K. Horiuchi, H. Funai, K. Honda, S. Niimi and H. Hirose; Identity of Sulcus Vocalis Based on Clinical Experiences. J. Otolaryngol. Jpn., 89, 1425, 1986.

Yamaguchi, H., T. Yotsukura, R. Konndou and S. Imaizumi: A Study on the Voice Training for Patients with Vocal Cord Nodule. J. Otolaryngol. Jpn., 89, 1423-1424, 1986.

B.2. Contributions in Meeting Proceedings etc.

B.2.i. Printed Texts of Symposium Papers etc.

Hirose, H.: Phonatory and Articulatory Mechanisms. Festschrift for 20th Anniversary of RILP, 11-14, 1986.

Hirose, H.: Diagnosis and Treatment of Speech Disorders. Proceedings of the XIIth Annual Meeting of Medical Welfare in Otolaryngology, 43-50, 1986.

Imagawa, H., S. Kiritani and H. Hirose: High-Speed Digital Image Recording System for Observing Vocal Fold Vibration. IEICE Technical Report, SP86-115, 1987.

Itoh, K.: A Neuro-Synaptic Model of Auditory Memory and Pitch Perception. IECE Technical Report, SP86-60, 1986.

Kobayashi, N.: The Physiological Characteristics for the Production of the Voicing Distinction in Electro Larynx Speech. IEICE Technical Report, SP86-105, 1987.

Kojima, S., I. Tatsumi, S. Kiritani and H. Hirose: Perception of Consonants by a Chimpanzee. IEICE Technical Report, SP86-114, 1987.

Niwa, S., K. Itoh and S. Kiritani: Psycholinguistic and Psychophysiological Indices for Difficulties of Sentence Comprehension. IECE Technical Report, SP86-5, 1986.

B.2.ii. Meeting Papers in Proceedings or Digests

Fukuda, M., K. Hiramatsu, M. Akimoto, S. Niwa, T. Kameyama, O. Saitoh, K. Nakagome, M. Hayashida and K. Itoh: Effects of Strategy Instruction on Emergence of Frequent P300 in Schizophrenic Patients. Proceedings of the 16th Japan Conference of EEG & EMG, 125, 1986.

Hayashida, M., T. Kameyama, S. Niwa, K. Hiramatsu, O. Saitoh, M. Fukuda, K. Nakagome and K. Itoh: Standards of Normal Nd and P300 in Event-Related Potentials for Clinical Use.

Proceedings of the 16th Japan Conference of EEG & EMG, 224, 1986.

Imagawa, H., S. Kiritani and H. Hirose: Observation of Glottal Movements in Phonation Using a Fiberscope and a Solid-State Image Sensor. Reports of the 1986 Autumn Meeting of the Acoust. Soc. Japan, 213-214, 1986.

Imagawa, H., S. Kiritani and H. Hirose: Observation of Pathological Vocal Fold Vibration Using a High Speed Digital Image Recording System. Reports of the 1987 Spring Meeting of the Acoust. Soc. Japan, 145-146, 1987.

Imaizumi, S.: Multidimensional Assessment of Pathological Voice Qualities. Reports of the 1986 Autumn Meeting of the Acoust. Soc. Jpn., 267-268, 1986.

Kiritani, S., H. Imagawa and H. Hirose: Observation of Glottal Movements in Phonation Using a Fiberscope and a Solid-State Image Sensor. Reports of the 1986 Autumn Meeting of the Acoust. Soc. Jpn., 213-214, 1986.

Kiritani, S., H. Fukawa and S. Imaizumi: Measurement of the Air Flow Pattern out of the Slit Simulating the Glottal Opening. Reports of the 1987 Spring Meeting of the Acoust. Soc. Jpn., 147-148, 1987.

Kuriyagawa, F.: Vowel Duration on Construct State of Modern Hebrew. Proceedings of the 28th Conference of the Society for Near Eastern Study in Japan, 165-166, 1986.

Rokkaku, M., K. Hashimoto, S. Imaizumi, S. Niimi and S. Kiritani: Three-Dimensional Measurement of the Vocal Tract Using MRI Technique. Reports of the 1986 Autumn Meeting of the Acoust. Soc. Jpn., 219-220, 1986.

Rokkaku, M., K. Hashimoto, S. Imaizumi, S. Niimi and S. Kiritani: Analysis of the Mechanisms of the Speech Sound Generation Based on the Three-Dimensional Measurement of the Vocal Tract. Reports of the 1987 Spring Meeting of the Acoust. Soc. Jpn., 141-142, 1987.

Yamada, A., Y. Mikami, T. Deguchi, H. Hosoi and S. Imaizumi: The Relationship between the Speech Perception and the Time Resolution for the Hearing Impaired. Reports of the 1987 Spring Meeting of the Acoust. Soc. Jpn., 235-236, 1987.

B.3. Contributions in Separate Publications

B.3.i. Part of a Textbook, Handbook, Anthologies etc.

Hirose, H.: Speech and Language Problems in Cerebellar Disorders. Neurology of Cerebellum (Eds. Itoh, M., I. Sofue, A. Komatsuzaki et al.), Igaku Shoin, Tokyo, 182-189, 1986.

- Hirose, H.: Electromyography in Laryngeal Examination. Handbook of Clinical Otolaryngology and Head and Neck Surgery, 10-A, Larynx, Trachea and Bronchus (Eds. Saito, S. and T. Hinohara), Kanehara, Tokyo, 150-157, 1986.
- Niimi, S.: Treatments for Vocal Cord Nodules of Children. Otorhinolaryngology-Head and Neck Surgery MOOK, 4 (Eds. Nomura, K., I. Honjou and H. Hirose), Kanehara, Tokyo, 10-18, 1987.
- Niimi, S.: Ointment in Clinic of Otorhinolaryngology. Handbook of Otorhinolaryngology (Eds. Nomura and Iinuma), Nanzando, 110-115, 1987.
- Niimi, S.: Voice Disorders. Handbook of Otorhinolaryngology (Eds. Nomura and Iinuma), Nanzando, 200-205, 1987.
- Niimi, S.: Phonatory Function Tests. Illustrated Medical Nursing (Eds. Uchida and Funasaka), Dohosha, 302-304, 1987.
- Niimi, S.: Articulatory Function Tests. Illustrated Medical Nursing (Eds. Uchida and Funasaka), Dohosha, 305-306, 1987.
- Niimi, S.: Electromyography of the Larynx. Illustrated Medical Nursing (Eds. Uchida and Funasaka), Dohosha, 308-309, 1987.
- Ushijima, T. and S. Imaizumi: The Diagnosis of Hoarseness, in Otolaryngology-Head and Neck Surgery MOOK, 4 (Eds. Nomura, K., I. Honjou and H. Hirose), Kanehara, Tokyo, 1-9, 1987.

B.3.ii. Monographs

none

B.4. Translations

none