

RECENT PUBLICATIONS

April 1983 - March 1984

A. Publications in English

A.1. Publications in Periodicals

A.1.i. Original Contributions

Hirose, H. (1983); Psychogenic Disorders of Voice - Some Physiological Considerations -. *Quantitative Linguistics* 19, 210-232.

Itoh, K. (1984); A Neuro-Synaptic Model of Bilateral Interaction in Auditory Nervous System. *Trans. Inst. Electr. Comm. Eng. Jap.* E67, 12-18.

Itoh, M., S. Sasanuma, H. Hirose, H. Yoshioka and M. Sawashima (1983); Velar Movements during Speech in Two Wernicke Aphasic Patients. *Brain and Language* 19, 283-292.

Niwa, S., K. Hiramatsu, T. Kameyama, O. Saitoh, K. Itoh and H. Utena (1983); Left Hemisphere's Inability to Sustain Attention over Extended Time Periods in Schizophrenics. *Brit. J. Psychiat.* 142, 477-481.

Saito, S. and F. Itakura (1983); Frequency Spectrum Deviation between Speakers. *Speech Communication* 2, 149-152.

Yanagisawa, E., T.W. Owens, G. Strothers and K. Honda (1983); Videolaryngoscopy; A Comparison of Fiberscopic and Telescopic Documentation. *Annals of Otology, Rhinology & Laryngology* Vol.92, 430-436.

A.1.ii. Review Articles

none

A.1.iii. Progress Reports

Fukui, N. and H. Hirose (1983); Laryngeal Adjustments in Danish Voiceless Obstruent Production. *Ann. Bull. RILP* 17, 61-71.

Hiramatsu, K., T. Kameyama, O. Saitoh, S. Niwa, K. Rymer and K. Itoh (1983); Correlations of Event-Related Potentials with Schizophrenic Deficits in Information Processing and Hemispheric Dysfunction. *Ann. Bull. RILP* 17, 263-276.

Hiramatsu, K., T. Kameyama, S. Niwa, O. Saitoh, K. Rymer and K. Itoh (1983); Schizophrenic Deficits in Information Processing as Reflected in ERP Abnormalities during Syllable Discrimination Tasks. *Ann. Bull. RILP* 17, 277-288.

- Hirose, H., H.S. Park and M. Sawashima (1983); Activity of the Thyroarytenoid Muscle in the Production of Korean Stops and Fricatives. Ann. Bull. RILP 17, 73-81.
- Hirose, H., M. Sawashima and H. Yoshioka (1983); Voicing Distinction in Esophageal Speech - Perceptual, Fiberoptic and Acoustic Study. Ann. Bull. RILP 17, 187-199.
- Honda, K., H. Miyata and S. Kiritani (1983); Electrical Characteristics and Preparation Technique of Hooked-Wire Electrodes for EMG Recording. Ann. Bull. RILP 17, 13-22.
- Itoh, K. (1983); A Neuro-Synaptic Model of the Bilateral Auditory Nervous System - Image Lateralization and Binaural Unmasking. Ann. Bull. RILP 17, 129-146.
- Konno, K. and H. Hirose (1983); A Longitudinal Study of an Ataxic Dysarthria. Ann. Bull. RILP 17, 211-227.
- Kuriyagawa, F. (1983); Tables of Arabic Words for Experimental Phonetics. Ann. Bull. RILP 17, 1-12.
- Masaki, S., K. Shirai, S. Kiritani and H. Imagawa (1983); An Analysis of the Duration of the Jaw Movements in the Vowel Sequence Words. Ann. Bull. RILP 17, 37-44.
- Nakagawa, T., S. Saito and T. Yoshino (1983); The Influence of Consonantal Context on Vowel Identification. Ann. Bull. RILP 17, 107-113.
- Nakagawa, T., S. Saito and T. Yoshino (1983); Discriminability of Second Formant Frequencies in Hearing-Impaired Children. Ann. Bull. RILP 17, 201-209.
- Saitoh, O., S. Niwa, K. Hiramatsu, T. Kameyama, K. Rymer and K. Itoh (1983); Abnormalities in the Late Positive Components of ERPs May Reflect a Genetic Predisposition to Schizophrenia. Ann. Bull. RILP 17, 253-262.
- Saito, S., and F. Itakura (1983); Frequency Spectrum Deviation for Japanese Vowels between Speakers. Ann. Bull. RILP 17, 97-106.
- Sawashima, M., S. Kiritani, S. Sekimoto, S. Horiguchi, K. Okafuji and K. Shirai (1983); The Airway Interruption Technique for Measuring Expiratory Air Pressure during Phonation. Ann. Bull. RILP 17, 23-32.
- Sekimoto, S. (1983); Normalization of the Speaker Difference in Vowel Perception. Ann. Bull. RILP 17, 83-96.
- Sekimoto, S. (1983); Intelligibility of Nonlinear Frequency Compressed Vowels. Ann. Bull. RILP 17, 115-121.

Sudo, M. M., S. Kiritani and M. Sawashima (1983); The Articulation of Japanese Intervocalic /d/ and /r/: An Electropalatographic Study. *Ann. Bull. RILP* 17, 55-59.

A.1.iv. Abstracts of Meeting Papers

Alfonso, P.J., K. Honda and T. Baer (1983); Coordinated Tongue Muscle Activity during /ɔpVp/ Utterances. Abstracts of the 10th International Congress of Phonetic Sciences, Utrecht, 1-6 August, 465.

Kameyama, T., K. Hiramatsu, S. Niwa, O. Saitoh and K. Itoh (1983); Event-Related Potentials during Syllable Discrimination Tasks in Schizophrenics: Relationships among ERPs, Psychotic Symptoms and Neuroleptic Dosages. *Folia Psychiat. Neurol. Jap.* 37, 186-187.

Löfqvist, A., N.S. McGarr and K. Honda (1983); Physiological and Acoustic Studies of Phonatory Patterns. Abstracts of the 10th International Congress of Phonetic Sciences, Utrecht, 1-6 August, 447.

Saito, S. and F. Itakura (1983); Frequency Spectrum Deviation between Speakers. *Proceedings of the 11th International Congress of Acoustics, Toulouse Satellite Symposium*, 9, 88.

A.2. Contributions in Meeting Proceedings etc.

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

Hirose, H., H.S. Park and M. Sawashima (1983); Activity of the Thyroarytenoid Muscle in the Production of Korean Stops and Fricatives. *Proceedings of the 3rd Vocal Fold Physiology Conference, Iowa City, Iowa, May.*

Honda, K. (1983); Variability Analysis of Laryngeal Muscle Activities. *Proceedings of the 3rd Vocal Fold Physiology Conference, Iowa City, Iowa, May.*

Itoh, K. and S. Kikkawa (1983); A Neural Model of Binaural Interaction and Dominancy for Sound Image Space. *Review of the 11th International Congress of Acoustics, Paris, Vol.3*, 155-158.

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

Alfonso, A.J., T. Baer and K. Honda (1983); Lingual Control and Vowel Articulation. Abstracts of the 11th International Congress of Acoustics, Paris, Vol.4, 3-6.

- Hirose, H. and M. Sawashima (1983); A Fiberscopic Study of Articulatory Adjustments in Esophageal Speech. Proceedings of the 19th IALP Congress, Edinburgh, August. (*Folia Phoniatic.* 35, 135-136.)
- Hirose, H., H.S. Park and M. Sawashima (1983); An Electromyographic Study of Laryngeal Adjustments for the Korean Stops in Syllable-Initial and Final Positions. Abstracts of the 10th International Congress of Phonetic Sciences, Utrecht, August, 468.
- Honda, K. (1983); Accuracy of Tongue Articulation. Abstracts of the 11th International Congress of Acoustics, Vol.4, 7-10.
- Itoh, K. (1983); A Neuro-Synaptic Model of Bilateral Information Processing in Auditory Nervous System. Proceedings of the 29th Congress of International Union of Physiological Sciences, Sydney.
- Kameyama, T., O. Saitoh, K. Hiramatsu, S. Niwa and K. Itoh (1983); ERPs and Cognitive Deficits in Schizophrenia. Proceedings of the 7th World Congress of Psychiatry, Vienna.
- Kiritani, S., H. Imagawa, S. Masaki and K. Shirai (1983); Velocity of the Jaw Movements in the Production of the Connected Vowels. Abstracts of the 10th International Congress of Phonetic Sciences, Utrecht, August.
- Sawashima, M., H. Hirose, H. Yoshioka, S. Hibi, N. Kawase and S. Kiritani (1983); Measurement of the Laryngeal Structure by Use of a Stereoendoscope. Proceedings of the 19th IALP Congress, Edinburgh, August. (*Folia Phoniatic.* 35, 171.)
- Ushijima, T., H. Hirose, H. Yoshioka and S. Niimi (1983); Surgical Treatment for Cases of Ineffective Intracordal Injection. Proceedings of the 19th IALP Congress, Edinburgh, August. (*Folia Phoniatic.* 35, 181.)

A.3. Contributions in Separate Publications

A.3.i. Papers in Festschrifts and Anthologies

none

A.3.ii. Part of a Textbook or Handbook

- Hiramatsu, K., T. Kameyama, S. Niwa, O. Saitoh, K. Rymer and K. Itoh (1983); Schizophrenic Deficits in Information Processing as Reflected in ERP Abnormalities during Syllable Discrimination Tasks. In *Advances in Biological Psychiatry*, Mendlewicz J. and V. Plaag H.M. (Eds.), Vol.13, Karger, Basel, 63-74.

- Hirose, H., M. Sawashima, H. Yoshioka (1983); Laryngeal Adjustment for Initiation of Utterance: A Simultaneous EMG and Fiberscope Study. In Vocal Fold Physiology, Contemporary Research and Clinical Issues, D. Bress and J. Abbs (Eds.), College-Hill Press.
- Honda, K. (1983); Relationship between Pitch Control and Vowel Articulation. In Vocal Fold Physiology, D. Bress and J. Abbs (Eds.), College-Hill Press, San Diego, 286-299
- Niwa, S., K. Hiramatsu, T. Kameyama, O. Saitoh and K. Itoh (1983); Dichotic Detection Task and Schizophrenic Attentional Deficit. In Laterality and Psychopathology, Flor-Henry P. and Gruzelier J. (Eds.), Elsevier, Amsterdam, 507-523.
- Saitoh, O., K. Hiramatsu, S. Niwa, T. Kameyama and K. Itoh (1983); Abnormal ERP Findings in Schizophrenics with Special Regards to Dichotic Detection Tasks. In Laterality and Psychopathology, Flor-Henry P. and Gruzelier J. (Eds.), Elsevier, Amsterdam, 379-394.
- Sawashima, M., H. Hirose, K. Honda, H. Yoshioka, S. Hibi and N. Kawase (1983); Stereoscopic Measurement of the Laryngeal Structure. In Vocal Fold Physiology, Contemporary Research and Clinical Issues, D. Bress and J. Abbs (Eds.), College-Hill Press.

A.4. Monographs

none

A.5. Translations

none

B. Publications in Japanese

B.1. Publications in Periodicals

B.1.i. Original Contributions

Anzai, N., S. Niwa, O. Saitoh, K. Masui, T. Kameyama, K. Hiramatsu, H. Okazaki and K. Itoh (1983); Cognition and Expression of Emotional Speech in Schizophrenic Patients (2): Phonetic Characteristics of Stimulus Speeches and Evaluation by an Emotion-Judgement Scale. Clin. Psychiat. Med. 12, 341-351.

Hiramatsu, K., T. Kameyama, O. Saitoh, S. Niwa and K. Itoh (1984); Selective Attentional Functioning as Reflected in ERPs during Syllable Discrimination Tasks (I) - Results for Normal Control Subjects. Psychiat. Neurol. Jap. 86, 120-143.

Hirose, H. (1983); Laryngeal Adjustments in Speech Articulation in Humans. J. Jpn. Bronchoesophagol. Soc. 34, 116-121.

Hirose, H., M. Sawashima and H. Yoshioka (1983); Articulatory Adjustments in Esophageal Speech. Jpn. J. Logoped. Phoniater. 24, 197-203.

Saitoh, O., T. Kameyama, K. Hiramatsu, S. Niwa and K. Itoh (1983); Selective Attentional Functioning in Schizophrenics as Shown in Abnormalities of Event-Related Potentials during Dichotic Detection Tasks. Psychiat. Neurol. Jap. 85, 31-53.

B.1.ii. Review Articles

Hirano, M., S. Saito, M. Sawashima, S. Hiki, H. Hirose and S. Imaizumi (1983); A Guide Line for Clinical Evaluation of Vocal Function. Jpn. J. Logop. Phoniater. 24, 275-276.

Hiroto, I., N. Isshiki, A. Uchisugawa, M. Hirano, M. Sawashima and H. Fukuda (1983); The 19th IALP Congress. Jpn. J. Logop. Phoniater. 24, 270-274.

Saito, S. (1983); Contribution of Speech Research to Acoustic Science and Technology, J. Acoust. Soc. Jpn. 39, 304-309.

Saito, S. (1983); Speech Science, Nikkei Computer 55, 111-116.

Saito, S. (1984); Present State and Future of Speech Synthesizer, J. Robotics Soc. Jpn. 2, 7-14.

Saito, S. (1984); Present State of Speech Synthesis Technique, Japanese J. Medical Instrumentation 54, 118-123.

Sawashima, M. (1983); A Note on Cleft Palate Speech and Its Therapy. Japanese J. Oral and Maxillofac. Surg. 29, 2398-2402.

Sawashima, M. (1983); A Note on the Special Issue of Alaryngeal Speech. Jpn. J. Logop. Phoniater. 24, 183.

Sawashima, M. (1984); The 19th IALP Congress. J. Acoust. Soc. Jpn. 40, 52-54.

B.1.iii. Progress Reports

Fukui, R. (1983); On the Relationship between the Low-Level Accent and the Accent of Particles "yori" etc. in Heian-Kamakura Period. Working Papers in Linguistics '83, Department of Linguistics, Univ. of Tokyo, 155-158

Fukui, R. (1983); The Accentual System of Hida Hagiwara Dialect - Part 1. Enclitics and Verbal Conjugation. Gengo no Sekai Vol.1, No.2, 51-68.

B.1.iv. Abstracts of Meeting Papers

- Abe, M., M. Sawashima and K. Okazaki (1984); A Clinical Observation of Abnormal Nasopharyngeal Articulation with Velopharyngeal Insufficiency. *Jpn. J. Logop. Phoniatr.* 25, 90-91.
- Hiramatsu, K., O. Saitoh, T. Kameyama, S. Niwa and K. Itoh (1983); Event-Related Potentials during Syllable Discrimination Tasks and Schizophrenic Siblings' Function of Selective Attention. *Jap. J. EEG & EMG*, 11, 267.
- Hiramatsu, K., S. Niwa, T. Kameyama, O. Saitoh, K. Yamazaki and K. Itoh (1984); P300 Latency in ERPs and Information Processing Time in Brain - P300 Latency and Reaction Time. *Jap. J. EEG & EMG* 12, 41.
- Kiritani, S., S. Masaki and K. Shirai (1984); Comparison of the Velocities of the Opening and Closing Movements of Jaw. *Jpn. J. Logop. Phoniatr.* 25, 33.
- Saitoh, O., S. Niwa, K. Hiramatsu, T. Kameyama and K. Itoh (1984); Selective Attention and Event-Related Potentials in Siblings of Schizophrenic Proband. *Jap. J. EEG & EMG* 12, 42.
- Sawashima, M., S. Kiritani, S. Sekimoto, S. Horiguchi, K. Honda and K. Shirai (1984); Measurement of Expiratory Air Pressure during Phonation by Use of Airway Interruption Method. *Jpn. J. Logop. Phoniatr.* 25, 25-26.

B.2. Contributions in Meeting Proceedings etc.

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

- Honda, K. (1983); Analysis of Motor Coordination during Vowel Articulation Using Multiple Physiological Signals. *Transactions of the Committee on Speech Research, Acoust. Soc. Jpn.* S83-30.
- Masaki, S., K. Shirai, S. Kiritani and H. Imagawa (1983); The Duration Characteristics of the Jaw Movements in the Production of Vowel Sequences. *Transactions of the Committee on Speech Research, Acoust. Soc. Jpn.* S83-31, 237-244.
- Masaki, S., K. Shirai, S. Kiritani and H. Imagawa (1984); Influence of Adjacent Vowels on the Jaw Movements in the Vowel Production. *Transactions of the Committee on Speech Research, Acoust. Soc. Jpn.* S83-96, 761-767.

- Niwa, S., K. Hiramatsu, T. Kameyama, O. Saitoh and K. Itoh (1983); Selective Attentional Functioning as Reflected by Event-Related Potentials (ERPs) Recorded during Syllable Discrimination Tasks. Transactions of Committee on Speech Research, Acoust. Soc. Jpn. S83-28.
- Sudo, M.M., S. Kiritani and M. Sawashima (1984); The Articulation of Japanese Intervocalic /d/ and /r/: An Electro-palato-graphic Study. Transactions of Committee on Speech Research, Acoust. Soc. Jpn. S83-99.
- B.2.ii. Preprints of Meeting Papers in Proceedings or Digests
- Fukusako, Y., H. Monoi, I. Tatsmi, K. Kumai and H. Hirose (1984); Analysis of Dysarthric Speech by Discriminant Function. Jpn. J. Logop. Phoniatr. 25, 72-73.
- Hanyu, Y., H. Yamaguchi, Y. Harajima, K. Ooishi, Y. Yotsukura and H. Hirose (1984); Use of a Phonolaryngograph in Voice Therapy. Jpn. J. Logop. Phoniatr. 25, 104-105.
- Hiramatsu, K., S. Niwa, T. Kameyama, O. Saitoh, K. Yamazaki and K. Itoh (1983); P300 Latency of ERPs and Information Processing Time in the Brain - P300 Latency and Reaction Time -. Proceedings of the 13th Japan Conference of EEG & EMG, 244.
- Hirose, H. (1983); Mechanism of Speech. Student Nurse 31, 15-17.
- Hirose, H. (1984); Phonosurgery. Igaku no Ayumi 128, 29-32.
- Hirose, H. (1984); Delayed Speech Development. J. Pediatric Practice 47, 552-554.
- Hirose, H., K. Honda, M. Sawashima and H. Yoshioka (1984); Discrimination of Voiced vs. Voiceless Consonants in Esophageal Speech. Jpn. J. Logop. Phoniatr. 25, 38.
- Imagawa, H., S. Kiritani, S. Masaki, K. Shirai (1983); Comparison of Characteristics the Jaw Movement between Open to Close Vowel Transitions and Close to Open Vowel Transitions. Reports of the 1983 Autumn Meeting of the Acoust. Soc. Jpn. 45-46.
- Imagawa, H., S. Kiritani, S. Masaki, K. Shirai (1984); Temporal Patterns of Jaw Movements and Formant Transitions in Production of Vowel Sequences. Reports of the 1984 Spring Meeting of the Acoust. Soc. Jpn. 179-180.
- Masaki, S., K. Shirai, S. Kiritani and H. Imagawa (1983); Analysis of the Duration of the Jaw Movements in the Production of Vowel Sequences. Reports of the 1983 Autumn Meeting of the Acoust. Soc. Jpn. 47-48.

- Masaki, S., K. Shirai, S. Kiritani and H. Imagawa (1983); Influence of Adjacent Vowels on the Jaw Movements in the Production of Vowel Sequences. Reports of the 1983 Spring Meeting of the Acoust. Soc. Jpn. 175-176.
- Nakagawa, T., S. Saito and T. Yoshino (1983); Perception of Tone Glides in Hearing-Impaired Persons. Reports of the 1983 Autumn Meeting of the Acoust. Soc. Jpn. 265-266.
- Saitoh, O., S. Niwa, K. Hiramatsu, T. Kameyama and K. Itoh (1983); Selective Attention and ERPs in Schizophrenic Siblings. Proceedings of the 13th Japan Conference of EEG & EMG, 251.
- Sekimoto, S. (1983); Nonlinear Frequency Compression Method and Its Application for a Hearing Aid. Report of the 1983 Autumn Meeting of the Acoust. Soc. Jpn. 53-54.
- Sekimoto, S. (1983); Identification of the Nonlinear Frequency Compressed Speech. Report of the 1984 Spring Meeting of the Acoust. Soc. Jpn. 261-262.
- Yotsukura, Y., S. Iwamura, K. Ooishi, S. Sawaki, H. Yamaguchi, O. Kubota, H. Akiyama and H. Hirose (1983); Mediofixation Operation of the Vocal Cords for Prevention of Misdeglutition. J. Jpn. Bronchoesophagol. 34, 164.

B.3. Contributions in Separate Publications

B.3.i. Papers in Festschrifts and Anthologies

none

B.3.ii. Part of a Textbook or Handbook

- Hirose, H. (1983); "Dysarthria" and "Alaryngeal Speech". In Handbook of Gerontology Vol.13, T. Ushijima et al. (Eds.), Joho Kaihatsu Kenkyujo, Tokyo.
- Hirose, H. (1983); "Electromyographic Examination of the Laryngeal Muscles" and "Disorders of Voice". In Graphic Handbook of Clinical Otolaryngology, M. Hirano et al. (Eds.), Medical View, Tokyo.
- Hirose, H. (1984); "Anatomy and Physiology of the Larynx" and "Fiberoptic Observation of the Larynx". In Practical Bronchoesophagology, J. Ono (Ed.), Medical Research Center, Tokyo.
- Hirose, H. (1984); "Causes of Laryngeal Paralysis" and "Associated Laryngeal Palsy". In Recurrent Laryngeal Nerve Paralysis, H. Ishii (Ed.), Bunkodo, Tokyo.

Sawashima, M. (1983); "Voice Disorders" and "Neural Disorders of the Larynx". In Glossaries of Oto-Rhino-Laryngology, I. Watanabe and T. Shitara (Eds.), Kanehara Publ. Co., Tokyo.

Sawashima, M. (1983); "Aerodynamic Examination", "Examination of Vocal Fold Vibration", "Acoustic Analysis of Pathologic Voice", "Articulation" and "Articulation Disorders by Cleft Palate". In Illustrated Handbook of Clinical Otolaryngology Vol.4, Disease of Mouth, Pharynx, Larynx, Bronchus and Esophagus, M. Hirano (Ed.), Medical View, Tokyo.

Swashima, M. and M. Sugito (1983); "Word Accent", "Intonation" and "Temporal Characteristics of Articulatory Movements". In Basic Structure of Japanese, K. Inoue (Ed.), Sanseido, Tokyo.

Sawashima, M. (1984); "Introduction to Communication Medicine," in Oto-Rhino-Laryngology, 3rd Ed., T. Goto (Ed.), Igaku-Shoin, Tokyo.

Sawashima, M. (1984); "Theories on the Position of Paralysed Vocal Cord" and "Conservative Treatment of Recurrent Nerve Paralysis". In Recurrent Nerve Paralysis, H. Ishii (Ed.), Bunkodo, Tokyo.

B.4. Monographs

none

B.5. Translations

none