

RECENT PUBLICATIONS

April 1982 – March 1983

A. Publications in English

A.1. Publications in Periodicals

A.1.i. Original Contributions

Hiramatsu, K-I., O. Saitoh, T. Kameyama, S-I. Niwa, K. Rymar and K. Itoh (1983). A Lateralized Abnormality of Auditory Evoked Potentials in a Case of Schizophrenia. *Biol Psychiat*, 18, 367-373.

Hirose, H., S. Kiritani and M. Sawashima (1982); Velocity of Articulatory Movements in Normal and Dysarthric Subjects. *Folia Phoniät.* 34, 210-215.

Sawashima, M., H. Hirose, H. Yoshioka and S. Kiritani (1983); Interaction between Articulatory Movements and Vocal Pitch Control in Japanese Word Accent. *Phonetica*, 39; 188-198.

A.1.ii. Review Articles

none

A.1.iii. Progress Reports

Hirose, H., S. Kiritani and I.F. Tatsumi (1982); On the Nature of Bradylalia—A Preliminary Study of the Acoustic Characteristics of Dysarthric Speech—. *Ann. Bull. RILP*, 16, 229-234.

Kawase, N., M. Sawashima, H. Hirose and T. Ushijima (1982), A Statistical Study of Vocal Cord Nodule, Vocal Cord Polyp and Polypoid Vocal Cord with Special Reference to the Physical and Social Histories of Patients. *Ann. Bull. RILP*, 16, 235-245.

Nakagawa, T., S. Saito and T. Yoshino (1982) Tonal Differential Limens for Second Formant Frequencies of Synthesized Japanese Vowels. *Ann. Bull. RILP*, 16, 81-88.

Saito, S. and F. Itakura (1982); Personal Characteristics of the Frequency Spectrum for Vowels. *Ann. Bull. RILP*, 16, 73-79.

Sawashima, M., H. Hirose, H. Yoshioka and S. Kiritani (1982); Interaction between Articulatory Jaw Movements and Vocal Pitch Control in Japanese Word Accent. *Ann. Bull. RILP*, 16, 11-19.

Sekimoto, S. (1982); Effects of Formant Peak Emphasis on Vowel Intelligibility in Frequency Compressed Speech. *Ann. Bull. RILP*, 16, 89-94.

Sekimoto, S. (1982); Perceptual Normalization of Frequency Scale. *Ann. Bull. RILP*, 16, 95-101.

Yoshioka, H., A. Löfqvist and R. Collier (1982); Laryngeal Adjustments in Dutch Voiceless Obstruent Production. *Ann. Bull. RILP*, 16, 27-35.

A.1.iv. Abstracts of Meeting Papers

Alfonso, P.J., K. Honda, T. Baer and K.S. Haris (1982); Multi-Channel Study of Tongue EMG during Vowel Production. *J. Acoust. Soc. Am.* 71, Suppl. 1, S54.

Henderson, J.B., K. Honda, F. Bell-Berti and R.P. Dixit (1982); A Cross-Language Study of Velar Coarticulation. *J. Acoust. Soc. Am.* 71, Suppl. 1, S22.

Hiramatsu, K., S. Niwa, T. Kameyama, O. Saitoh and K. Itoh (1982); Cognitive Implications of ERPs Recorded from Normal Subjects during a Syllable discrimination task. *Folia Psychiatrica et Neurologica Japonica.* 36, 467.

Hirose, H. (1982); Phoniatic Observations on Esophageal Speech. *Proceedings of the 3rd World Congress of Laryngectomees, Tokyo, July, 1982.*

Hirose, H. (1982); Temporal Control in Dysarthria. *Abstract of Section Papers and Working Groups, the 13th International Congress of Linguists, Tokyo, Aug.-Sept., 1982.*

Hirose, H. (1982); Clinical Application of X-ray Microbeam System. In *Frontiers in Oral Imaging: Instrumentation and Clinical Application, Miniseminar, ASHA 24, 828, Annual ASHA Meeting, Toronto, November, 1982.*

Honda, K., T. Baer and P.J. Alfonso (1982); Variability of Tongue Muscle Activities and its Implications. *J. Acoust. Soc. Am.* 72, Suppl. 1, S103.

Kameyama, T., S. Niwa, K. Hiramatsu, O. Saitoh and K. Itoh (1982); Effects of Lateral Gaze on AEPs in Schizophrenics and Normal Subjects. *Folia Psychiatrica et Neurologica Japonica.* 36, 200-201.

Kameyama, T., S. Niwa, K. Hiramatsu, O. Saitoh and K. Itoh (1982). Cognitive Dysfunction in Schizophrenics Examined through ERPs during a Syllable Discrimination Task. *Folia Psychiatrica et Neurologica Japonica.* 36, 467.

Sudo, M., H. Yoshioka, S. Kiritani and M. Sawashima (1982); An Articulatory Study of Japanese Intervocalic /r/ by Use of Electro-Palatography. *Abstracts of Section Papers and Working Groups, 120, the 13th International Congress of Linguists, Tokyo, Aug.-Sept., 1982.*

Yoshioka, H., H. Hirose and M. Sawashima (1982); Laryngeal Adjustments in the Production of the Fricative Consonants and Devoiced Vowels in Japanese. *Neuroscience Letters, Suppl.* 9, S51.

A.2. Contributions in Meeting Proceedings, etc.

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

none

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

Hiramatsu, K-I., T. Kameyama, O. Saitoh, S-I. Niwa and K. Itoh (1982); Schizophrenic Deficits in Information Processing as Reflected in ERP Abnormalities during Syllable Discrimination Tasks. Proceedings of 4th International Symposium on Clinical Neurophysiological Aspects of Psychopathological Conditions (Feusisberg-Zürich).

Itoh, K. (1982), Analysis of Speech-Related Rhythmic EEG Activities in Normal Verbal Behavior. Proceedings of World Congress on Medical Physics and Biomedical Engineering 1982 (Hamburg). 18:13.

Niwa, S-I, K-I. Hiramatsu, T. Kameyama, O. Saitoh and K. Itoh (1982); Dichotic Detection Task and Schizophrenic Attentional Deficit. Abstracts of 2nd International Conference on Laterality and Psychopathology (Banff, Canada).

Saitoh, O., K-I. Hiramatsu, S-I. Niwa, T. Kameyama and K. Itoh (1982); Abnormal ERP findings in Schizophrenics with Special Regards to Dichotic Detection Tasks. Abstracts of 2nd International Conference on Laterality and Psychopathology (Banff, Canada).

Yoshioka, H. (1982); Regulatory Mechanism of Vocal Fold Vibration: With Special Reference to Glottal Area Variation and Supraglottal Pressure Change. Abstracts of the 34th Meeting of the Japan Bronchoesophagol. Society, 53.

A.3. Contributions in Separate Publications

A.3.i. Papers in Festschrifts and Anthologies

Hirose, H. and M. Sawashima (1982); Clinical Observations on 750 cases of Laryngeal Palsy. In *Vox Humana*, P. Hurme (Ed.), Institute of Finnish Language and Communication, University of Jyväskylä, 63-80.

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

Sawashima, M. and H. Hirose (1983); Laryngeal Gestures in Speech Production. In *The Production of Speech*, Peter F. MacNeilage (Ed.) Springer-Verlag, New York, Heidelberg Berlin, 11-38.

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-I. Niwa, O. Saitoh, K. Masui, T. Kameyama, K-I. Hiramatsu, H. Okazaki and K. Itoh (1983); Schizophrenic Deficits in the Cognition and Expression of Emotional speech (1) – A Result of Sound Test in Schizophrenics and the Physical Characteristics of Stimulus Speech which were Reported by Schizophrenics to be Utilized as Basis for Judgement of Emotion. *Clin. Psychiat. Med.*, 12, 85-95.

Kawase, N., M. Sawashima, H. Hirose, T. Ushijima and H. Yoshioka (1982): A Statistical Study of Vocal Cord Nodule, Vocal Cord Polyp and Polypoid Vocal Cord with Special Reference to Physical and Social Histories of the Patients. *Otolaryng. (Tokyo)* 54, 683-688.

Kiritani, S. (1982); Dynamics of Articulatory Movements. *The Tokyo Journal of Medical Sciences* 89, 46-57.

Niwa, S-I., K-I. Hiramatsu, T. Kameyama, O. Saitoh and K. Itoh (1982); Dichotic Detection Task and Schizophrenic Attentional Deficit. *Psychiat. Neurol. Jap.*, 84, 85-100.

Sawashima, M. and Y. Aoki (1982); A New Device for Simultaneous Recordings of Air flow Rate, Vocal Pitch and Intensity during Phonation. *The Japanese J. Medical Instrumentation* 52, 342-345.

B.1.ii. Review Articles

Hirose, H. (1982); Pathophysiology of Speech Articulation. *Tokyo Jour. Med. Sc.*, 89, 58-71.

Hirose, H. (1982); Delayed Speech Development. *Pediatric Rev.*, 15, 42-49.

Hirose, H. (1982); Dyspnea and Visual Observation. *Otologia Fukuoka*, 28, 536-538.

- Saito, S. (1982). Studies on Phonetic and Personal Features of Speech by Use of Synthetic Voice. *Tokyo Jour. Med. Sc.*, 89, 23-30.
- Saito, S. (1982); Speech Recognition, Part 4, Speech and Speaker Recognition Systems. *J. Inst. Electro. and Comm. Eng. Japan.* 65, 514-523.
- Saito, S. (1982); Speech Recognition, Part 5, Problems and Feature of Speech Recognition. *J. Inst. Electro. and Comm. Eng. Japan.* 65, 629-636.
- Sawashima, M. (1982); Organic Articulation Disorders Due to Velopharyngeal Insufficiency in Children. *Pediatric Otorhinolaryng. Japan.* 3, 19-22.
- Sawashima, M. (1982); Function of the Larynx in Speech. *Tokyo J. Med. Sc.* 89, 31-45.

B.1.iii. Progress Reports

none

B.1.iv. Abstracts of Meeting Papers

- Abe, M., M. Sawashima and K. Okazaki (1983); Observations on the "Nasal Articulation" as a Type of Articulation Disorders. *Jpn. J. Logop. Phoniater.* 24; 94-95.
- Hiramatsu, K-I., S-I. Niwa, T. Kameyama O. Saitoh and K. Itoh (1983); Cognitive Dysfunctions in Schizophrenics Examined through ERPs -1. Results on Normals. *Jap. J. Electroenceph. Electromyo.* 11, 34.
- Hirose, H., H. Yoshioka and M. Sawashima (1983); Articulatory Adjustments in Esophageal Speech. *Jpn. J. Logop. Phoniater.* 24, 97-98.
- Iwamura, S., K. Ooishi, S. Sawaki and H. Hirose (1982), Idiopathic Associated Laryngeal Palsy. *J. Jpn. Bronchoesophagol. Soc.* 33, 160-161.
- Iwamura, S., M. Furukawa, K. Ooishi, S. Sawaki and H. Hirose (1983); Treatment of Laryngeal Granuloma, *Jpn. J. Logop. Phoniater.* 24, 91-92.
- Kameyama, T., S-I. Niwa, K-I. Hiramatsu, O. Saitoh and K. Itoh (1983); Cognitive Dysfunctions in Schizophrenics Examined through ERPs -2. Results on Schizophrenics. *Jap. J. Electroenceph. Electromyo.* 11, 34.
- Kiritani, S., K. Shirai and S. Masaki (1982); Velocity of the Jaw Movement in the Production of the Connected Vowels. *Jpn. J. Logop. Phoniater.* 24, 93.
- Kujirai, K., K. Ooishi, S. Iwamura, N. Tamamushi, M. Furukawa, S. Sawaki and H. Hirose (1983); Analysis of Graphic Patterns Obtained by Phoniatic Examination. *Jpn. J. Logop. Phoniater.* 24, 70-71.
- Mitarai, K., M. Furukawa, N. Tamamushi, S. Iwamura, K. Kujirai, K. Ooishi, S. Sawaki and H. Hirose (1983); Extent of Polypoid Change in the Vocal Fold and its Surgical Prognosis. *Jpn. J. Logop. Phoniater.* 24, 90-91.

- Nakagawa, C., K. Ooishi, S. Sawaki and H. Hirose (1982); A Case of Marfan's Syndrome with Left Recurrent Nerve Palsy. *J. Jpn. Bronchoesophagol. Soc.* 33, 159.
- Ooishi, K., K. Kujirai, N. Ogawara, Y. Yamazaki, S. Sawaki and H. Hirose (1982); Mediofixation Operation of Paralyzed Vocal Cord for the Protection of Misdeglutition. *J. Jpn. Bronchoesophagol. Soc.* 33, 156.
- Sawashima, M., H. Hirose, S. Kiritani and H. Yoshioka (1983); Infrahyoid Muscles in Vocal Pitch Control; A Study on Japanese Work Accent in Tokyo Dialect. *Jpn. J. Logop. Phoniatr.* 24; 38-39.
- Sudo, M., S. Kiritani and H. Yoshioka (1982); The Articulation of Japanese /r/: An Electropalatographic Study. *Gengo Kenkyu (Journal of the Linguistic Society of Japan)*, 82, 153-155.

B.2. Contributions in Meeting Proceedings, etc.

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

- Hibi, S. (1982); A Study of Rhythm Perception in Repetitive Sound Sequence. *Transactions of the Committee on Speech Research, Acoust. Soc. Japan*, S82-35. *Transactions of the Committee on Hearing Research, Acoust. Soc. Japan*, H82-43, 273-280.
- Hirose, H., H. Yoshioka and M. Sawashima (1983); Articulatory Adjustments in Esophageal Speech. *Transactions of Committee on Speech Research, Acoust. Soc. Japan*. S82-100, 795-802.
- Itoh, K. and S. Kikkawa (1983); Mechanism of Binaural Image Lateralization in Dependence of Interaction of Synaptic Potentials. *Transactions of Committee on Hearing Research, Acoust. Soc. Japan* H83-2.
- Kiritani, S., T. Tanaka, K. Hashimoto, S. Masaki and K. Shirai (1983); The Movement of the Jaw in the Production of the VCV Sequence. *Transactions of Committee on Speech Research, Acoust. Soc. Japan*, S82-105.
- Masaki, S., K. Shirai, S. Kiritani and H. Imagawa (1983); Temporal Pattern of Jaw Movements in the Production of Vowel Sequences. *Transactions of Committee on Speech Research, Acoust. Soc. Japan*, S82-106.
- Sawashima, M., S. Kiritani, S. Sekimoto, S. Horiguchi, K. Okafuji and K. Shirai (1983); Measurement of Expiratory Air Pressure during Phonation by Use of the Airway Interruption Technique. *Transaction of Committee on Speech Research, Acoust. Soc. Japan*. S82-104.
- Sudo, M., S. Kiritani and H. Yoshioka (1982); An Electro-Palatographic Study of Japanese Intervocalic /r/. *Transactions of Committee on Speech Research, Acoust. Soc. Japan*, S82-30.

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

- Hiramatsu, K-I., S-I. Niwa, T. Kameyama, O. Saitoh and K. Itoh (1982); Cognitive Functions and Event-Related Potentials in Syllable Discrimination Tasks. Proceedings of 4th Conference of Japan Society of Biological Psychiatry (Nagoya).
- Imagawa, H., S. Kiritani, S. Masaki and K. Shirai (1983): Velocity of Jaw Movements in the Production of Connected Vowels. Reports of the 1983 Spring Meeting of the Acoust. Soc. Japan, 193-194.
- Itoh, K. and S. Kikkawa (1982): Modelling of Binaural Interaction in Auditory Nervous System. Preprints of 2nd Simulation Technology Conference (Tokyo), 221-224.
- Kameyama, T., K-I. Hiramatsu, S-I. Niwa, O. Saitoh and K. Itoh (1982); Cognitive Dysfunctions in Schizophrenics Examined through ERPs during Syllable Discrimination Tasks. Abstracts of 6th Meeting of Psychiatric Science (Minoo, Osaka).
- Kameyama, T., S-I. Niwa, K-I. Hiramatsu, O. Saitoh and K. Itoh (1982); Schizophrenic Cognitive Disorders and Event Related Potentials in Syllable Discrimination Tasks. Proceedings of 4th Conference of Japan Society of Biological Psychiatry (Nagoya).
- Kameyama, T., K-I. Hiramatsu, S-I. Niwa, O. Saitoh and K. Itoh (1983); Syllable Discrimination Tasks in Schizophrenics: Relationships among ERPs, Psychotic Symptoms and Neuroleptic Dosages. Proceedings of 5th Conference of Japan Society of Biological Psychiatry (Tsu, Mie).
- Kiritani, S., H. Imagawa, T. Tanaka, K. Shirai and S. Masaki (1982); Observation of Jaw Movements in VCV Utterances Using Optical Position Sensor. Reports of the 1982 Autumn Meeting of the Acoust. Soc. Japan, 9-10.
- Kiritani, S., T. Tanaka, K. Hashimoto, S. Masaki and K. Shirai (1983); Analysis of Jaw Movements in the Production of the Intervocalic Consonants. Reports of the 1983 Spring Meeting of the Acoust. Soc. Japan, 197-198.
- Nakagawa, T., S. Saito and T. Yoshino (1982); Discrimination of Second Formant Frequencies by Normal and Hearing-Impaired Children. Reports of the 1982 Autumn Meeting of the Acoust. Soc. Japan, 249-250.
- Saito, S. (1982); Personal Characteristics of the Frequency Spectrum for Japanese Vowels. Reports of the 1982 Autumn Meeting of the Acoust. Soc. Japan, 189-190.
- Sawashima, M. and M. Abe (1982); A Study on Cleft Palate Cases with Unsuccessful Result of Speech Therapy. Preprints of 6th Annual Meeting of Japanese Cleft Palate Association, 98.
- Sekimoto, S. (1982); Perceptual Normalization of Frequency Compressed or Expanded Vowels. Report of the 1982 Autumn Meeting of the Acoust. Soc. Japan, 193-194.

- Sekimoto, S. (1983); Effects of Higher Frequency Components on the Perception of Frequency Compressed or Expanded Vowels. Reports of the 1983 Spring Meeting of the Acoust. Soc. Japan, 179-180.
- Sudo, M., S. Kiritani and M. Sawashima (1983); An Electro-Palatographic Study of Japanese Intervocalic /d/ and /r/. Reports of the 1983 Spring Meeting of the Acoust. Soc. Japan, 201-202.
- Yoshioka, H. and S. Sekimoto (1982); Temporal Variations of Glottal Area and Supraglottal Pressure in Running Speech. Reports of the 1982 Autumn Meeting of the Acoust. Soc. Japan, 3-4.

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. (1982); Neural Mechanism in Speech. In Treatment and Education for Speech Disorders. H. Uchisugawa and S. Sasanuma (Eds.). Vol. II, Fukumura Publ. Co., Tokyo, 77-105.
- Hirose, H. (1982); Control of Speech Articulation in Humans. In Control of Respiration, Degultition, and Phonation, M. Hirano (Ed.), Shinohara Publ. Co., Tokyo, 201-230.
- Hirose, H. (1982); Chapters of "Laryngology," "Bronchoesophagology" and "Phoniatics and Logopedics." In New Otorhinolaryngology, (I. Kirikae and Y. Nomura (Eds.)), Nanzando, Tokyo.
- Hirose, H. (1982); Abnormal Sensation in Throat. In Health Today. I. Japan Broadcast. Publ. Co., 180-185.
- Hirose, H. (1982); Communication Disorders. In Otolaryngology Textbook for National Medical Examination, S. Saito (Ed.), Kanehara Publ. Co., Tokyo, 244-249.
- Saito, S. (1982). Speech Analysis, Synthesis and Recognition, In Pattern Recognition and Image Processing, M. Nagao (Ed.), Iwanami Publ. Co., Tokyo, 41-89.
- Sawashima, M. (1982); Mechanism of Speech Production in "Kōza Gengochiryō-kyōikugaku" (Treatment and Education for Speech Disorders in School) H. Uchisugawa and S. Sasanuma (Eds.). 33-57, Fukumura Publ. Co., Tokyo.

B.4. Monographs

none

B.5. Translations

none