

RECENT PUBLICATIONS

April 1984 - March 1985

A. Publications in English

A.1. Publications in Periodicals

A.1.i. Original Contributions

Hiramatsu, K., T. Kameyama, O. Saitoh, S. Niwa, K. Rymar and K. Itoh: Correlations of Event-Related Potentials with Schizophrenic Deficits in Information Processing and Hemispheric Dysfunction. *Biological Psychology*, 19, 281-294, 1984.

Löefqvist, A., N.S. McGarr and K. Honda: Laryngeal Muscles and Articulatory Control. *J. Acoust. Soc. Am.*, 76, 951-954, 1984.

Saitoh, O., S. Niwa, K. Hiramatsu, T. Kameyama, K. Rymar and K. Itoh: Abnormalities in Late Positive Components of Event-Related Potentials May Reflect a Genetic Predisposition to Schizophrenia. *Biological Psychiatry*, 19, 293-303, 1984.

Yamazaki, K., M. Akimoto, K. Hiramatsu, S. Niwa, T. Kameyama, O. Saitoh, K. Rymar and K. Itoh: Assessment of P300 Latencies for Individual EEG Responses Employing an Adaptive Correlation Filter. *Folia Psychiat. Neurol. Jap.*, 38, 465-471, 1984.

A.1.ii. Review Articles

none

A.1.iii. Progress Reports

Hiramatsu, K., T. Kameyama, S. Niwa, O. Saitoh, K. Rymar and K. Itoh: Selective Attentional Functioning as Reflected in ERPs during Syllable Discrimination Tasks (1) - An Introduction to the Method and Results for Normal Control Subjects. *Ann. Bull. RILP*, 18, 245-266, 1984.

Hirose, H., K. Honda and M. Sawashima: An Intraoral Pressure Study of Esophageal Speech. *Ann. Bull. RILP*, 18, 153-159, 1984.

Hirose, H., K. Honda, M. Sawashima and H. Yoshioka: Laryngeal Dynamics in Dysarthric Speech. *Ann. Bull. RILP*, 18, 161-167, 1984.

Imagawa, H., S. Kiritani, S. Sekimoto and S. Saito: Interactive

- LPC Analysis Synthesis Program on Vax with an Attached Array Processor. Ann. Bull. RILP, 18, 5-11, 1984.
- Imagawa, H., S. Kiritani, S. Masaki and K. Shirai: A Comparison of Open to Closed Vowel Transition and Closed to Open Vowel Transition -The Duration of Jaw Movements and Formant Transitions-. Ann. Bull. RILP, 18, 27-31, 1984.
- Itoh, K.: A Neuro-Synaptic Model of the Masking and Unmasking Process in the Bilateral Auditory System. Ann. Bull. RILP, 18, 91-105, 1984.
- Kameyama, T., K. Hiramatsu, S. Niwa, O. Saitoh, K. Rymar and K. Itoh: Selective Attentional Functioning as Reflected in ERPs during Syllable Discrimination Tasks (II) - Correlations between Cognitive Deficits and Abnormal ERP Findings in Schizophrenics. Ann. Bull. RILP, 18, 267-294, 1984.
- Kiritani, S., A. Kawagoe and K. Hashimoto: An X-Ray Video-Image Analysis System. Ann. Bull. RILP, 18, 1-4, 1984.
- Konno, K., M. Sugishita and H. Hirose: Prosody in Broca's Aphasia: A Pilot Study. Ann. Bull. RILP, 18, 169-177, 1984.
- Kuriyagawa, F.: The Features of /k/ and /q/ in Cairo Standard Arabic. Ann. Bull. RILP, 18, 65-73, 1984.
- Kuriyagawa, F.: Vocalization Signs and Observed Duration of Vowels in Modern Hebrew. Ann. Bull. RILP, 18, 75-81, 1984.
- Kuriyagawa, F. and M. Sawashima: Vowel Duration in /hū ku/ and /hukū/ in Japanese. Ann. Bull. RILP, 18, 83-90, 1984.
- Niimi, S. and Z. Simada: Ultrasonic Observation of Tongue Dynamics. Ann. Bull. RILP, 18, 13-17, 1984.
- Niimi, S., K. Furukawa and K. Takemoto: On the Indication of the Microlaryngosurgery for Hoarseness in Children. Ann. Bull. RILP, 18, 295-299, 1984.
- Sawashim, M., K. Honda, S. Kiritani, S. Sekimoto, S. Ogawa and K. Shirai: Further Works on the Airway Interruption Method of Measuring Expiratory Air Pressure during Phonation. Ann. Bull. RILP, 18, 19-26, 1984.
- Sekimoto, S.: Intelligibility of Nonlinear, Frequency Compressed Speech. Ann. Bull. RILP, 18, 119-125, 1984.
- A.1.iv. Abstracts of Meeting Papers
- Dixit, R.P., T. Baer and K. Honda: Transillumination of the Glottis during Hindi Obstruents. J. Acoust. Soc. Am.,

Suppl. 1, 75 S7, 1984.

Gentil, M., K.S. Harris, S. Horiguchi and K. Honda: Temporal Organization of Muscle Activity in Simple Disyllables. J. Acoust. Soc. Am., Suppl. 1, 75 S23, 1984.

Gentil, M., K.S. Harris, S. Horiguchi and K. Honda: Structure of Movement Trajectories as a Function of Rate. J. Acoust. Soc. Am., Suppl. 1, 76 S16, 1984.

Hiramatsu, K., M. Akimoto, O. Saitoh, T. Kameyama, S. Niwa, K. Yamazaki and K. Itoh: What Stage in Information Processing Is Responsible for Slow Reaction Times in Schizophrenics. Folia Psychiat. Neurol. Jap., 38, 339, 1984.

McGarr, N.S., N. Kobayashi and K. Honda: Electromyographic and Kinematic Measures of Articulatory Coordination in a Deaf Speaker. J. Acoust. Soc. Am., Suppl. 1, 75 S23, 1984.

Saitoh, O., S. Niwa, T. Kameyama, K. Hiramatsu and K. Itoh: Selective Attentional Deficits and Lateralized Hemispheric Dysfunction as Reflected in ERPs of Schizophrenic Patients. Folia Psychiat. Neurol. Jap., 38, 171, 1984.

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

Hosoi, H., S. Imaizumi, H. Abe and F. Ohta: Analysis of Speech Perceptivity of Hearing Impaired Subjects by Using Psychoacoustical Distances between Japanese Monosyllables. Abstracts of XVII International Congress of Audiology, Santa Barbara, 47, 1984.

Imaizumi, S., H. Hosoi, H. Abe and F. Ohta: Two Distance Measures toward Microprocessor Based Speech Audiometry. Abstracts of XVII International Congress of Audiology, Santa Barbara, 17, 1984.

A.3. Contributions in Separate Publications

A.3.i. Papers in Festschrifts and Anthologies

none

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

Saitoh, O., S. Niwa, K. Hiramatsu, T. Kameyama, K. Rymar and K. Itoh: P300 in Siblings of Schizophrenic Probands. In Advances in Biological Psychiatry, J. Mendlewicz and H.M. V. Praag (Eds), Karger/Basel, 46-59, 1984.

A.4. Monographs

none

A.5. Translations

none

B. Publications in Japanese

B.1. Publications in Periodicals

B.1.i. Original Contributions

Abe, M. and M. Sawashima: A clinical Report on Patients with Congenital Palatal Paralysis. Jpn. J. Logop. Phoniatr., 25, 147-154, 1984.

Anzai, N., S. Niwa, O. Saitoh, K. Masui, T. Kameyama, K. Hiramatsu, Y. Okazaki and K. Itoh: Cognition and Expression of Emotional Speech in Schizophrenic Patients (3): Deficits in Recognition and Simulation of Emotional Speeches. Japanese Journal of Clinical Psychiatry, 14, 333-342, 1985.

Furukawa, K., T. Ishii, M. Nakahara, S. Niimi and T. Shitara: Cinefluorographic Analysis of Dysphagia. Practica Otolologica(Kyoto), 77, 931-936, 1984.

Ishii, T., K. Furukawa and S. Niimi: A Clinical Study on Vocal Cord Cyst. J. Jpn. Bronchoesophagol. Soc., 35, 281-285, 1984.

Ishida, I., H. Miyatake, T. Takaishi, J. Udaka, K. Katsura, Y. Koike, S. Imaizumi, A. Nagamitsu: A Case of Solitary Neurofibroma of the Pharynx. Practical Otolaryng., 77, 11, 2391-2399, 1984.

Kameyama, T., K. Hiramatsu, O. Saitoh, S. Niwa and K. Itoh: Selective Attentional Functioning as Reflected in ERPs during Syllable Discrimination Tasks (II) -Biological Consideration on Selective Attentional and Cognitive Deficits in Schizophrenics-. Psychiat. Neurol. Jap., 86, 501-524, 1984.

Niimi, S., M. Okamoto and T. Shitara: Post-traumatic Conductive Hearing Loss. Otolaryng. (Tokyo), 56, 405-409, 1984.

Niimi, S., K. Furukawa, K. Harada and M. Nakahara: A Newly Developed Laryngotelescope with a Variable Center View Angle. *J. Jpn. Bronchoesophagol. Soc.*, 35, 13-16, 1984.

Ohta, F., S. Imaizumi, H. Hosoi and K. Tamaki: The PAST --A New Approach for Psychoacoustic Evaluation of Tinnitus-- . *Otolaryng.* (Fukuoka), 30, 1000-1004, 1984.

#### B.1.ii. Review Articles

Hirose, H.: Voice Devices for Alaryngeal Subjects. *Igaku no Ayumi*, 129, 12, 1984.

Hirose, H.: Voice Production in the Laryngectomized. *Mebio*, 1, 108-109, 1984.

Hirose, H.: History Taking from Patients with Voice Disorders. *JOHNS*, 1, 113-115, 1985.

Hirose, H.: Diagnosis and Treatment for Speech Disorders. *J. Jpn. M. A.*, 93, 927-921, 1985.

Imaizumi, S.: Report on the Research Activities at the Department of Speech Communication and Music Acoustics, Royal Institute of Technology (Stockholm). *Acoust. Soc. Jpn.*, 40, 559-562, 1984.

Imaizumi, S., H. Hosoi, H. Abe and F. Ohta: Analysis of Speech Perception Ability of Hearing-Impaired Subjects Using Psychoacoustic Distance Measures among Japanese Monosyllables. *Ann. Meeting of the Acoust. Soc. Jpn.*, 187-188, 1984.

Kumai, K., N. Ainoda, M. Abe, K. Okazaki, M. Sawashima, I. Honjo and Y. Watanabe: On Clinical Examination of Cleft Palate Speech: A Proposal for Test of Articulation. *Jpn. J. Logop. Phoniatr.*, 25, 169-173, 1984.

Kuriyagawa, F.: Hebrew-Japanese Dictionary of the Old Testament (Seibunsha, 1982), *Theological Studies in Japan*, 23, 90-99, 1984.

Sawashima, M.: Evaluation of Voice Disorders. *Suzuken-Medical*, 17, 68-71, 1984.

Sawashima, M.: A Book-Review on "Manual for Speech Therapy". *Igaku no Ayumi*, 132, 862, 1985.

#### B.1.iii. Progress Reports

Akimoto, M., K. Hiramatsu, S. Niwa, T. Kameyama, K. Yamazaki and K. Itoh: Schizophrenic Attentional and Cognitive Deficits -Analysis of Reaction Time and P300 for Individual Trials.

Jap. J. EEG & EMG, 12, 296, 1984.

Akimoto, M., K. Hiramatsu, T. Kameyama, O. Saitoh, K. Yamazaki, S. Niwa and K. Itoh: Schizophrenic Responselessness and P300 Component in Selective Reaction Task. Jap. J. EEG & EMG, 13, 38, 1985.

Anzai, N., S. Niwa, O. Saitoh, K. Masui, T. Kameyama, K. Hiramatsu, Y. Okazaki and K. Itoh: Schizophrenic Discrimination of Emotional Facial Expression. Proceedings of the 8th Japanese Conference of Neuropsychology. Japanese Journal of Neuropsychology, 1, 40, 1984.

Hiramatsu, K., S. Akimoto, S. Niwa, O. Saitoh, K. Yamazaki and K. Itoh: Identification of P300 Component in Event-Related Potentials Employing an Adaptive Correlation Filter. Jap. J. EEG & EMG, 12, 296, 1984.

Hiramatsu, K., T. Kameyama, O. Saitoh, M. Akimoto, K. Yamazaki, S. Niwa and K. Itoh: Schizophrenic Slow RTs and P300 Latencies in Selective Reaction Tasks. Jap. J. EEG & EMG, 13, 38, 1985.

Itoh, K: On the Mode of Information Processing by Neuro-Synaptic Circuits in the Bilateral Auditory System. Bull. AVIRG, 20, 2-3, 1985.

#### B.1.iv. Abstracts of Meeting Papers

Abe, H., H. Hosoi, F. Ohta, S. Imaizumi: Event Related Potential in a Phonetic Discrimination Task. Audiology Japan, 27, 5, 379-380, 1984.

Abe, H., H. Yonekawa, F. Ohta, S. Imaizumi: Factors Accounting for Hoarse Voice Qualities. Jpn. J. Logop. Phoniater., 26, 130-131, 1985.

Abe, M., M. Sawashima and K. Okazaki: Clinical Study on Patients with So-Called "Abnormal Nasal Articulation" (Velopharyngeal Articulation). Jpn. J. Logop. Phoniater., 26, 92, 1984.

Endo, N., H. Monoi, Y. Fukusako, I.F. Tatsumi, K. Kumai, M. Kawamura and H. Hirose: Speech Characteristics of Cases with Unilateral Supranuclear Dysarthria Secondary to Cerebro-Vascular Accident. Jpn. J. Logop. Phoniater., 26, 32-33, 1985.

Furukawa, K., M. Nakahara, T. Ishii, S. Niimi and T. Shitara: Cineradiographic Analysis of Dysphagia. J. Jpn. Bronchoesophagol. Soc., 35, 184, 1984.

Hirose, H., K. Honda and M. Sawashima: Articulatory Adjustments in Esophageal Speech. J. Otolaryngol. Jpn., 87, 1264-1265, 1984.

- Hirose H. and S. Kiritani: Articulatory Dynamics in Ataxic Patients. *Jpn. J. Logop. Phoniatr.*, 26, 89, 1985.
- Hosoi, H., H. Abe, F. Ohta, S. Imaizumi: Graphic Analysis of Speech Perceptivity of Hearing Impaired Subjects Using a Microcomputer System. *Audiology Japan*, 27, 5, 637-638, 1984.
- Kase, Y., T. Ushijima, K. Honda, S. Niimi and H. Hirose: A Statistical Study of Sulcus Vocalis. *Jpn. J. Logop. Phoniatr.*, 26, 33-34, 1985.
- Kumai, K., K. Suzuki and S. Niimi: Clinical Observation of a Case with Developmental Speech Disorders. *Jpn. J. Logop. Phoniatr.*, 26, 74, 1984.
- Kuriyagawa, F.: Experimental Studies of Vocalization Signs and Observed Duration of Vowels in Modern Hebrew, *Bull. of the Soc. for Near Eastern Studies in Japan*, 27(2), 140-141, 1984.
- Miyoshi, S., S. Watanabe, R. Tanaka and S. Niimi: Anaesthesia for Microlaryngosurgery. *J. Jpn. Bronchoesophagol. Soc.*, 35, 176, 1984.
- Nakahara, M., A. Yagi, K. Furukawa and S. Niimi: Fluoroscopic Examination on Patients with Lump Sensation in the Throat. *J. Jpn. Bronchoesophagol. Soc.*, 35, 212, 1984.
- Niimi, S., M. Okamoto, K. Yao, T. Shitara and K. Takemoto: Secondary Stability of Post-traumatic State. *J. Otolaryngol. Jpn.*, 87, 1205, 1984.
- Niimi, S., K. Furukawa, K. Harada and M. Nakahara: Development of Laryngotelescope with a Variable Center View Angle. *J. Jpn. Bronchoesophagol. Soc.*, 35, 202, 1984.
- Niimi, S., H. Hirose and Z. Simada: Ultrasonic Observation of the Tongue. *Jpn. J. Logop. Phoniatr.*, 26, 81, 1984.
- Sawashima, M., S. Kiritani, K. Honda and S. Horiguchi: A Method of Measuring Expiratory Air Pressure during Phonation by Use of the Airway Interruption Technique. *J. Otolaryngol. Jpn.*, 87, 1261-1262, 1984.
- Takami, M., K. Kumai, A. Saraya, K. Suzuki, Z. Simada and S. Niimi: Acoustic Analysis of "Lateralization". *Jpn. J. Logop. Phoniatr.*, 26, 91, 1984.
- Ushijima, T., Y. Kase, K. Honda, S. Niimi and H. Hirose: Phonatory Function after Intracordal Silicone Injection on Sulcus Vocalis. *Jpn. J. Logop. Phoniatr.*, 26, 123, 1984.
- Ushijima, T., Y. Kase, K. Honda, S. Niimi and H. Hirose: Pre- and Postoperative Phonatory Function in Cases with Sulcus Vocalis. *Jpn. J. Logop. Phoniatr.*, 26, 123-124, 1985.

Yamaguchi, H., Y. Yotsukura, H. Hirose and M. Furukawa: A Case of Werner's Syndrome. Jpn. J. Logop. Phoniatr., 26, 15-16, 1985.

Yonekawa, H., K. Okamoto, H. Abe, F. Ohta, S. Imaizumi: Acoustic Changes in Voice after Treatments of Polypoid Vocal Folds. Jpn. J. Logop. Phoniatr., 26, 17-18, 1985.

Yotsukura, Y., H. Yamaguchi, K. Tsuchiya, M. Hanyuu, S. Sawaki, K. Ooishi and H. Hirose: Use of Phonolaryngograph for Voice Training (Second Report). J. Otolaryngol. Jpn., 87, 1263, 1984.

Yotuskura, Y., H. Yamaguchi, Y. Hanyuu, S. Sawaki, K. Ooishi and H. Hirose: Voice Therapy for Patients with Vocal Nodules. Jpn. J. Logop. Phoniatr., 26, 19-20, 1985.

## B.2. Contributions in Meeting Proceedings etc.

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

Imaizumi, S.: Acoustic Measures of Pathological Voice Qualities --Rough--. Trans. Committee on Speech Research, Acoust. Soc. Jpn., S84-96, 765-772, 1985.

Itoh, K.: A Neuro-Synaptic Model of Masking and Unmasking Process in the Bilateral Auditory System. Trans. Committee on Hearing Research, Acoust. Soc. Jpn., H84-46, 1984.

Kiritani, S., S. Masaki, H. Imagawa and K. Shirai: Relationship between Jaw Movement and Acoustical Characteristics for Each Vowel in the Production of Vowel Sequences. Trans. Committee on Speech Research, Acoust. Soc. Jpn., S84-104.

Niimi, S., S. Kiritani and H. Hirose: Analysis of Tongue Dynamics Using the Ultrasonic Method. Trans. Committee on Speech Research, Acoust. Soc. Jpn., S84-77, 1985.

Sawashima, M., K. Honda, S. Kiritani, K. Shirai and N. Sakata: Airway Interruption Method for Measuring Expiratory Air Pressure during Phonation. Trans. Committee on Speech Research, Acoust. Soc. Jpn., S84-107, 1985.

Sekimoto, S.: Perceptual Frequency Normalization of Frequency Expanded or Compressed Speech Stimuli, Trans. Committee on Speech Research, Acoust. Soc. Jpn., S84-37, 1984.

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

Hiramatsu, K., T. Kameyama, O. Saitoh, S. Niwa and K. Itoh: Schizophrenic Attentional and Cognitive Deficits and Cerebral Laterality -Event-Related-Potentials as an Index-. Program of the Open Meeting on Higher Integrative Functions



- in Pathology of Psycho-motor and Sensory Functions, 3-4, 1985.
- Imagawa, H., S. Kiritani, S. Masaki, K. Shirai: Contextual Variation of the Jaw Movements for the Vowels in Consonantal Context. Reports of the 1984 Autumn Meeting of the Acoust. Soc. Jpn., 115-116, 1984.
- Imagawa, H., S. Kiritani, S. Masaki, K. Shirai: The Characteristics of the Jaw Movement in the Production of the CVC Sequence. Reports of the 1985 Spring Meeting of the Acoust. Soc. Jpn., 107-108, 1985.
- Imaizumi, S., H. Hosoi, H. Abe and F. Ohta: Analysis of Speech Perception Ability of Hearing-Impaired Subjects Using Psychoacoustic Distance Measures Among Japanese Monosyllables. Reports of the 1984 Autumn Meeting of the Acoust. Soc. Jpn., 187-188, 1984.
- Imaizumi, S.: Pathological Voice Quality --Roughness--. Reports of the 1985 Spring Meeting of the Acoust. Soc. Jpn., 193-194, 1985.
- Kuriyagawa, F.: Experimental Studies of Vocalization Signs and Observed Duration of Vowels in Modern Hebrew, Proceedings of the 26th Conference of the Society for Near Eastern Studies in Japan, 15, 1984.
- Niimi, S., H. Hirose, S. Kiritani and Z. Simada: Ultrasonic Visualization of the Tongue with the Palatal Configuration. Reports of the 1984 Autumn Meeting of the Acoust. Soc. Jpn., 107-108, 1984.
- Niimi, S., S. Kiritani and H. Hirose: Ultrasonic Observation of Tongue Shape during Speech. Reports of the 1985 Spring Meeting of the Acoust. Soc. Jpn., 109-110, 1985.
- Rokkaku, M., S. Imaizumi, S. Kiritani, K. Hashimoto: Possibilities and Limits of Linear Predictive Analysis -- Synthesis System for Pathological Voices. Reports of the 1985 Spring Meeting of the Acoust. Soc. Jpn., 191-192, 1985.
- Sawashima, M., K. Honda, S. Kiritani and K. Shirai: Measurement of Expiratory Pressure by Interruption of Airway during Phonation. Reports of the 1985 Spring Meeting of the Acoust. Soc. Jpn., 103-104, 1985.
- Sekimoto, S.: Identification of the Frequency Expanded Vowels. Reports of the 1984 Autumn Meeting of the Acoust. Soc. Jpn., 179-180, 1984.
- Sekimoto, S.: The Effect of a Context on the Intelligibility of the Frequency Expanded Vowels. Reports of the 1985 Spring Meeting of the Acoust. Soc. Jpn., 209-210, 1985.

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.: Chapter IX "Voice and Speech", In Structure and Function of the Brain. Y. Oomura, H. Shimazu and M. Ito (Eds.), Vol. II, Igaku Shoin, Tokyo, 787-799, 1984.

B.4. Monographs

none

B.5. Translations

Hirose, H.: Kotoba no Kagaku Nyuumon (Speech Science Primer-Second Edition: Borden, G.J. and K.S. Harris, Williams & Wilkins, Baltimore/London, 1984), Medical Research Center, Tokyo, 1984.