

List of papers written by Takuo Aoyagi 1973 – 1989

All total as the taken in 1 all

1973

Improvement of dye dilution curve measurement

Aoyagi T, Horikawa M, Asahina M, Kishi M, Fuse M, Yamaguchi K.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 12th Conference of the Japan Society of Medical Electronics and Biological Engineering; 1973; Tokyo. vol 11 suppl:s85-6. (in Japanese)

1974

Improvement of an earpiece oximeter

Aoyagi T, Kishi M, Yamaguchi K, Watanabe S.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 12th Conference of the Japan Society of Medical Electronics and Biological Engineering; 1974; Oosaka. vol 12 suppl:s90-1. (in Japanese)

1975

Continuous Non-Invasive Monitoring of Blood O2 Saturation using an Earpiece Oximetry

Nakajima S, Hirai Y, Takase H, Kuze A, Aoyagi T, Kishi M, Yamaguchi K, Watanabe S. Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 14th Conference of the Japan Society of Medical Electronics and Biological Engineering; 1975; Tokyo. vol 13 suppl:s205-6. (in Japanese)

Study of Earpiece Method in Cardiac Output Measurement

Yamaguchi K, Aoyagi T.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 14th Conference of the Japan Society of Medical Electronics and Biological Engineering; 1975; Tokyo. vol. 13 suppl:s203-4. (in Japanese)

1976

Validity of Earpiece Densitometer for Cardiac Output Measurement

Katori R, Ishikawa K, Hayashi T, Kohashi Y, Kato A, Otani S, Kanamasa K.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 15th Conference of the

Japan Society of Medical Electronics and Biological Engineering; 1976; Nagoya. vol. 14 suppl:s81. (in Japanese)

THE NONLINEARITY OF PULSE OXIMETER

Aoyagi T, Koyabashi N, Sasaki T, Kanamoto M, Yokoyama S , Sugiyama Y, Machida K, Miyasaka K.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 26th Conference of the Japan Society of Medical Electronics and Biological Engineering; 1987 Apr; Osaka. vol. 25, suppl:s159. (in Japanese)

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Pulse Oximeter

Aoyagi T, Kobayashi N, Kanamoto M, Fuse M, Sugiyama Y, Machida K, Miyasaka K. The Institute of Electronics, Information and Communication Engineering Report, MBE87(62). 1987. p. 21-28. (in Japanese)

1988

THE NONLINEARITY OF PULSE OXIMETER (II)

Aoyagi T, Koyabashi N, Kanamoto M, Fuse M, Sasaki T, Yokoyama S, Sugiyama Y, Machida K, Miyasaka K, Saito M.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 27th Conference of the Japan Society of Medical Electronics and Biological Engineering; 1988 Apr. vol. 26 suppl:s523. (in Japanese)

1989

THE NONLINEARITY OF PULSE OXIMETER (III)

Aoyagi T, Fuse M, Kanamoto M, Sugiyama Y, Machida K, Miyasaka K, Saito M. Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 28th Conference of the Japan Society of Medical Electronics and Biological Engineering; 1989 May. vol. 27 suppl:s338. (in Japanese)



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List of papers written by Takuo Aoyagi 1990 – 1999

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1990

THE NONLINEARITY OF PULSE OXIMETER (IV)

Aoyagi T, Fuse M, Kanamoto M, Sugiyama Y, Machida K, Miyasaka K, Saito M.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 29th Conference of the Japan Society of Medical Electronics and Biological Engineering; 1990 May. vol. 28 suppl: s523. (in Japanese)

Dye dilution curve measurement with principle of the pulse oximetry

Fuse M, Kanemoto M, Horikawa M, Aoyagi T, Sugiyama Y, Miyasaka K.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 29th Conference of the Japan Society of Medical Electronics and Biological Engineering; 1990 May. vol. 28 suppl:s524. (in Japanese)

Invention of Pulse oximeter and its theory

Aoyagi T. Journal of The Japan Society for Clinical Anesthesia. 1990 Jan;10(1):1-11. (in Japanese)

Pulse oximetry and its simulation

Aoyagi T. Japanese Journal of Medical Electronics and Biomedical Engineering; 1990;4(4):44-52. (in Japanese)

PULSE OXIMETRY AND ITS SIMULATION

Aoyagi T, Miyasaka K. Denshi Tokyo, IEEE Tokyo Section. 1990;29:184-6.

1991

EFFECTS OF MEASURING SITUATION ON PULSE OXIMETRY

Xie C, Aoyagi T, Fuse M, Kanemoto M, Hosaka H, Horikawa H, Katayama M, Miyasaka K, Machida K. Medical and Biological Engineering & Computing. 16th International Conference on Medical and Biological Engineering; 1991July 7-12; Kyoto. vol. 29 suppl:s855.

Dye dilution curve measurement using the principle of pulse oximetry

Fuse M, Aoyagi T, Kanemoto M, Xie C, Hosaka H, Katayama M, Miyasaka K. Medical and Biological Engineering & Computing. 16th International Conference on Medical and Biological Engineering; 1991July 7-12; Kyoto. vol. 29 suppl:s853.

Calculation of cardiac output from dye dilution curve measured with the principle of pulse oximetry

Kanemoto M, Aoyagi T, Fuse M, Xie C, Hosaka H, Shintani F.

Medical and Biological Engineering & Computing. 16th International Conference on Medical and Biological

Engineering; 1991July 7-12; Kyoto. vol. 29 suppl:s852.

Continuous dye dilution curve measurement with estimation of bloodless optical level

Aoyagi T, Fuse M, Kanemoto M, Xie C, Hosaka H, Katayama M, Miyasaka K. Medical and Biological Engineering & Computing. 16th International Conference on Medical and Biological Engineering; 1991July 7-12; Kyoto. vol. 29 suppl:s853.

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1992

Theoretical and Experimental study of optical attenuation of Blood

Aoyagi T.

Japanese Journal of Medical Electronics and Biomedical Engineering. 1992 Mar;30(1):1-7. (in Japanese)

Theoretical and Experimental Study of Optical Attenuation of Blood

Aoyagi T.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 31st Conference of the Japan Society of Medical Electronics and Biological Engineering; 1992 May. vol. 30 suppl:s246. (in Japanese)

DYE DILUTION CURVE MEASUREMENT WITH PRINCIPLE OF THE PULSE OXIMETRY

Fuse M, Aoyagi T, Xie C, Kanemto M, Tomita H, Hosaka H, Katayama M, Miyasaka K, Ishikawa K, Katori R, Shinya F.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 31st Conference of the Japan Society of Medical Electronics and Biological Engineering; 1992 May. vol. 30 suppl:s249. (in Japanese)

EFFECTS OF MEASURING SITUATION ON PULSE OXIMETRY

Xie C, Aoyagi T, Kanemoto M, Fuse M, Hosaka H, Horikawa M, Katayama M, Miyasaka K, Machida K. Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 31st Conference of the Japan Society of Medical Electronics and Biological Engineering; 1992 May. vol. 30 suppl:s250. (in Japanese)

Pulse Oximetry

Aoyagi T. Kokyu. 1992;.11(5):560-67. (in Japanese)

Pulse Oximetry

Aoyagi T.

Proceedings of Light Application and Visual Science, Fundamentals and Materials Society, The Institute of Electrical Engineers of Japan; 1992 Aug 20. Material No. LAV-92-14; p. 17-25. (in Japanese)

Pulse oximetry: Its origin and development

Aoyagi T.

Proceedings of the Symposium "The pioneers of medical technology" in the 14th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1992 Oct 29-Nov 1; Paris: (7) p. 2858-59.

Origin and Application of Principle of Pulse Oximetry

Aoyagi T.

Journal of Clinical Monitoring. 1993; 13: 81-9. (in Japanese)

Development of dye dilution curve measurement with pulse spectrophotometry

Aoyagi T, Fuse M, Kanamto M, Xie C, Takada M, Miyasaka K, Miyasaka K, Iijima T, Mikawa H. Proceedings of the 4th Conference of Japan Association for Clinical Monitoring; 1993. vol. 4 p. 45. (in Japanese)

AR 111 malas the 1 At

Clinical Application of Non-Invasive Circulating Blood Volume Measurement with Finger Probe

lijima T, Iwao Y, Ohashi T, Masuda J, Mikawa H, Fuse M, Aoyagi T.

Proceedings of the 4th Conference of Japan Association for Clinical Monitoring; 1993. vol. 4 p. 46. (in Japanese)

Dye dilution curve measurement with principle of pulse oximetry

Aoyagi T.

Japanese Society of Clinical Physiology. 1993;.23(16):84. (in Japanese)

Clinical Application of Non-Invasive Circulating Blood Volume Measurement by Dye Dilution Using Principle of Pulse Oximetry

Iijima T, Iwao Y, Oohashi T, Masuda J, Aoyagi T, Fuse M, Miyasaka K, Mikawa H. Proceedings of the 40th Conference of Japanese Society of Anesthesiologists. 1993; vol. 0-274 p. 425. (in Japanese)

Measurement of SpO2 using pulse waves with tissue transmitted light: Pulse Oximetry

Aoyagi T.

The 9th Symposium of the Society of Instrument and Control Engineers; 1993 Jan 20; Tokyo. p. 11-18. (in Japanese)

Noninvasive Measurement of Respiration and Circulation with Pulse Spectrophotometry

Aoyagi T, Fuse M, Kanamoto M, Xie C.

Proceedings of the 8th Symposium on Biological and Physiological Engineering; 1993 Nov 16-18; Sendai, Japan. p. 269-74. (in Japanese with English abstract)

THEORETICAL AND EXPERIMENTAL STUDY OF OPTICAL ATTENUATION OF TISSUE

Aoyagi T, Hosaka H, Saito M.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 32nd Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1993 May. vol. 31suppl:s161. (in Japanese)

DATA PROCESSINGS FOR DYE DILUTION CURVE MEASUREMENT WITH PRINCIPLE OF PULSE OXIMETRY

Kanemoto M, Aoyagi T, Fuse M, Xie C, Hosaka H.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 32nd Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1993 May. vol. 31suppl:s151. (in Japanese)

DYE DILUTION CURVE MEASUREMENT WITH PRINCIPLE OF PULSE OXIMETRY NO.2

Aoyagi T, Fuse M, Kanemoto M, Xie C, Hosaka H, Iijima T, Mikawa H, Shinya F, Ishikawa K, Katori R, Miyasaka K. Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 32nd Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1993 May. vol. 31suppl:s160. (in Japanese)

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EFFECTS OF MEASUREMENT SITUATION ON PULSE OXIMETRY (NO.2)

Xie C, Aoyagi T, Kanemoto M, Fuse M, Hosaka H, Horikawa M, Miyasaka K, Machida K.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 32nd Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1993 May. vol. 31suppl:s164. (in Japanese)

Non-invasive measurement of the concentration of a light absorptive substance in blood in measurement by pulse photometry

Aoyagi T.

[dissertation] . [Tokyo]: University of Tokyo, Faculty of Medicine, Institute of Medical Electronics; 1993 (in Japanese)

1994

Pulse Dye-Densitometry

Aoyagi T, Fuse M, Kanemoto M, Xie C, Kobayashi N, Hirahara H, Hosaka H, Iijima T, Mikawa H, Haruna Y, Tanigami H, Kumon K.

Japanese Journal of Clinical Monitoring. 1994;5(4):371-9. (in Japanese with English abstract)

Measurements of Cardiac Output Circulating Blood Volume and Hepatic Blood Flow by Pulse-Dye Densimetry

lijima T, Aoyagi T, Fuse M, Kanemoto M, Masuda J, Mikawa M. Journal of Clinical Monitoring. 1994;5(4):381-90. (in Japanese)

Pulse photometry

Aoyagi T, Fuse M, Kanemoto M, Xie C.

Proceedings of Light Application and Visual Science, Fundamentals and Materials Society, The Institute of Electrical Engineers of Japan; 1994. Material No. LAV-94-11; p. 39-46. (in Japanese)

Simultaneous measurement by pulse oximetry and pulse dye densimetry

Aoyagi T, Xie C, Kanemoto M, Fuse M, Takada M, Miyasaka K, Iijima T, Mikawa H. Journal of Clinical Monitoring. Proceedings of the 5th Japan Association for Clinical monitoring Meeting; 1994; vol 5 suppl:s77-8. (in Japanese)

Calculation of density of blood pigment using pulse dye dilution curve measurement

Kanemoto M, Kobayashi N, Hirahara H, Aoyagi T, Fuse M, Xie C, Tanigami H, Kumon K, Iijima T, Mikawa H. Journal of Clinical Monitoring. Proceedings of the 5th Japan Association for Clinical monitoring Meeting; 1994; vol 5 suppl:s78-9. (in Japanese)

Evaluation of attachment site for probes by pulse dye dilution measurement

Fuse M, Xie C, Aoyagi T, Kanemoto M, Kobayashi N, Hirahara H, Iijima T, Mikawa H, Takada M, Miyasaka K.

Journal of Clinical Monitoring. Proceedings of the 5th Japan Association for Clinical monitoring Meeting; 1994; vol 5 suppl:s79-81. (in Japanese)

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Evaluating the mechanism of difference SpO2 volume between hand up and hand low

Xie C, Aoyagi T, Fuse M, Kanemoto M, Takada M, Miyasaka K. Journal of Clinical Monitoring. Proceedings of the 5th Japan Association for Clinical monitoring Meeting; 1994; vol 5 suppl:s81-82. (in Japanese)

Validity of measurement for circulation blood volume using pulse spectrophotometry

Tanigami H, Kumon K, Yahagi N, Watanabe Y, Haruna Y, Aoyagi T, Kobayashi N. Journal of Clinical Monitoring. Proceedings of the 5th Japan Association for Clinical monitoring Meeting; 1994; vol 5 suppl:s82-83. (in Japanese)

Cardiac output measurement by an external acoustic meatus probe: Correlation with thermodeliution method

Iijima T, Sakamoto H, Takagi H, Oohashi T, Iwao Y, Masuda J, Mikawa H, Fuse M, Aoyagi T. Journal of Clinical Monitoring. Proceedings of the 5th Japan Association for Clinical monitoring Meeting; 1994; vol 5 suppl:s82-83. (in Japanese)

Evaluation of circulating blood volume of patients after cardiac surgery using dye-densitogram (DDG) monitor with principle of pulse oximetry

Tanigami H, Kumon K, Yahagi N, Watanabe Y, Aoyagi T, Kobayashi N. Journal of Anesthesia. Proceedings of the 41st Annual Meeting of the Japanese Society of Anesthesiologists; 1994. Vol. 8 suppl: Poster session, day2, A555. (in Japanese)

Monitoring of cardiac output and circulating blood volume by newly developed pulse-spectrophotometry

lijima T, Aoyagi T, Fuse M, Ando M, Iwao Y, Ohashi T, Masuda J, Mikawa H. Journal of Anesthesia. Proceedings of the 41st Annual Meeting of the Japanese Society of Anesthesiologists; 1994. Vol. 8 suppl: Poster session, day2, A556. (in Japanese)

Cardiac output measurement by pulse-spectrophotometry; comparison with thermodilution method

lijima T, Aoyagi T, Fuse M, Iwao Y, Ohashi T, Masuda J, Mikawa H. Journal of the Japanese Society of Intensive Care Medicine. 1994; vol1 suppl:s156. (in Japanese)

Less invasive monitoring of cardiac output, circulating blood volume and hepatic clearance by pulse-spectrophotometry

lijima T, Aoyagi T, Iwao Y, Masuda J, Sankawa H. Anesthesiology. 1994 Sep;81(3A):A518.

Bed-side measurement of circulating blood volume by the pulse spectrophotometry in patients after cardiac surgery

Tanigami H, Kumon K, Yahagi N, Watanabe Y, Aoyagi T. Anesthesiology. 1994 Sep;81(3A):A183.

Data processing for Dye Dilution Curve Measurement with Principle of Pulse Oximetry (No.2)

Kanemoto M, Aoyagi T, Fuse M, Xie C, Hosaka H.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 33rd Conference of

the Japan Society of Medical Electronics and Biological Engineering; 1994 May. vol. 32 suppl:s305. (in Japanese)

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EFFECTS OF MEASURING SITUATION ON PULSE OXIMETRY (NO.3)

Xie C, Aoyagi T, Fuse M, Kanemoto M, Hosaka H, Horikawa M, Miyasaka K, Machida K. Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 33rd Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1994 May. vol. 32 suppl:s306. (in Japanese)

DYE DILUTION CURVE MEASUREMENT WITH PRINCIPLE OF PULSE OXIMETRY (NO.3)

Fuse M, Kanemoto M, Xie C, Aoyagi T, Hosaka H, Miyasaka K, Iijima T, Mikawa H, Shinya F, Ishikawa K, Katori R. Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 33rd Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1994 May. vol. 32 suppl:s307. (in Japanese)

DYE DILUTION CURVE MEASUREMENT WITH PRINCIPLE OF PULSE OXIMETRY (NO.4)

Aoyagi T, Kanemoto M, Xie C, Fuse M, Hosaka H, Miyasaka K, Iijima T, Mikawa H, Shinya F, Ishikawa K, Katori R. Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 33rd Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1994 May. vol. 32 suppl:s308. (in Japanese)

1995

Study on the Mechanism of SpO2 Variation by Measurement Condition

Xie C, Aoyagi T, Fuse M, Kanemoto M, Takada M, Miyasaka K. Japanese Journal of Clinical Monitoring. 1995;6 suppl:s71. (in Japanese)

Evaluation of Attachment Site for Probes by Pulse Measurement

Fuse M, Aoyagi T, Kanemoto M, Xie C, Kobayashi N, Iijima T, Mikawa H, Haruna Y, Watanabe Y, Kumon K. Japanese Journal of Clinical Monitoring. 1995;6 suppl:s72. (in Japanese)

Total Blood Method for Measuring Dye Dilution Curve by Pulse Dye Densitometry

Kanemoto M, Aoyagi T, Kobayashi N, Fuse M, Xie C. Japanese Journal of Clinical Monitoring. 1995;6 suppl:s72. (in Japanese)

Accuracy of Measuring Circulating Blood Volume by Pulse Dye Densitometry

Kobayashi N, Hirahara H, Aoyagi T, Fuse M, Kanemoto M, Xie C, Hosaka H, Haruna Y, Watanabe Y, Kumon K. Japanese Journal of Clinical Monitoring. 1995;6 suppl:s73. (in Japanese)

Comparison of Blood Concentration of ICG Measured Invasively by Pulse Dye Densitometry

Kobayashi N, Hirahara H, Aoyagi T, Fuse M, Kanemoto M, Xie C, Hosaka H, Haruna Y, Watanabe Y, Kumon K. Japanese Journal of Clinical Monitoring. 1995;6 suppl:s73. (in Japanese)

Three-Wavelength Pulse Dye Densitometry and Three-Wavelength Pulse Oximetry

Aoyagi T, Fuse M, Kanemoto M, Xie C, Kobayashi N, Hirahara H, Takada M, Miyasaka K. Japanese Journal of Clinical Monitoring. 1995;6 suppl:s74. (in Japanese)

Measurement of circulatory blood volume by pulse photometry method-Comparison to RI method

Haruna Y, Kumon K, Yahagi N, Watanabe Y, Matsui J, Aoyagi T, Kobayashi N. Journal of Anesthesia. Proceedings of the 42nd Annual Meeting of the Japanese Society of Anesthesiologists;

All total as the table

1995 Apr 19-21; Hamamatsu, Japan. Vol. 9 suppl: Poster session, A455. (in Japanese)

Evaluation of Validity of Cardiac Output Measurement with Pulse Spectrophotometry in Patients after Cardiovascular Surgery

Haruna Y, Kumon K, Yahagi N, Watanabe Y, Matsui J, Aoyagi T, Kobayashi N. Journal of the Japanese Society of Intensive Care Medicine. 1995; vol2 suppl:s200. (in Japanese)

EFFECTS OF MEASURING SITUATION ON PULSE OXIMETRY (NO.4)

Xie C, Aoyagi T, Fuse M, Kanemoto M, Hosaka H, Miyasaka K.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 34th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1995 May. vol. 33 suppl:s203. (in Japanese)

EXAMINATION OF PREVENTIVE MONITOR FOR URINARY INCONTINENCE BY LOWER ABDOMINAL IMPEDANCE CHANGE AND APPLICATION FOR HOME HEALTH CARE

Yamada A, Fuse M, Aoyagi T, Hosaka H, Yanagisawa H, Toma H.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 34th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1995 May. vol. 33 suppl:s242. (in Japanese)

Total Blood Method for Dye Dilution Curve Measurement with the Pulse Spectrophotometry

Kanemoto M, Aoyagi T, Kobayashi N, Fuse M, Xie C, Hosaka H.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 34th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1995 May. vol. 33 suppl:s348. (in Japanese)

DYE DILUTION CURVE MEASUREMENT WITH PRINCIPLE OF PULSE OXIMETRY (NO.5)

Kobayashi N, Aoyagi T, Hirahara H, Fuse M, Kanemoto M, Xie C, Hosaka H, Haruna Y, Watanabe Y, Kumon K. Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 34th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1995 May. vol. 33 suppl:s352. (in Japanese)

DYE DILUTION CURVE MEASUREMENT WITH PRINCIPLE OF PULSE OXIMETRY (NO.6)

Aoyagi T, Fuse M, Kanemoto M, Xie C, Kobayashi N, Hosaka H, Miyasaka K.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 34th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1995 May. vol. 33 suppl:s353. (in Japanese)

DYE DILUTION CURVE MEASUREMENT WITH PRINCIPLE OF PULSE OXIMETRY (NO.7) -IMPROVEMENT OF EXTERNAL AUDITORY CANAL PROBE-

Fuse M, Aoyagi T, Kanemoto M, Xie C, Kobayashi N, Hosaka H, Iijima T.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 34th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1995 May. vol. 33 suppl:s354. (in Japanese)

Theory and Performance Improvement of Pulse Oximetry

Aoyagi T.

Japanese Journal of Medical Instrumentation. Proceedings of the 71st Conference of the Japanese Society of Medical Instrumentation; 1996; Fukuoka. 66(8) suppl:s440-45. (in Japanese)

Pulse Photometry and Non-pulse Photometry

Aoyagi T, Fuse M.

Journal of the Japanese Society of Intensive Care Medicine. Proceedings of the 23rd Annual Conference of the Japanese Society of Intensive Care Medicine; 1996; Yokohama, Japan. vol3 suppl:s124 PD3-3. (in Japanese)

Variation of Blood Circulation Volume and Cardiac Output before and after Heart-lung Machine -Circulation Management by Pulse Dye Densitometry

lijima T, Iwao Y, Masuda J, Aoyagi T, Kobayashi N, Fuse M, Mikawa H.

Journal of the Japanese Society of Intensive Care Medicine. Proceedings of the 23rd Annual Conference of the Japanese Society of Intensive Care Medicine; 1996; Yokohama, Japan. vol3 suppl:s18. (in Japanese)

Performance Improvement of Pulse Oximetry

Aoyagi T, Fuse M, Xie C, Kanemoto M, Tomita H, Kobayashi N, Takamura Y, Miyasaka K, Takada M, Machida K. Japanese Journal of Clinical Monitoring. Proceedings of the Japan Association Clinical Monitoring Meeting; 1996; Fukuoka. c1997;7 suppl:s72. (in Japanese)

EFFECTS OF LED WAVELENGTH CHANGE ON PULSE PHOTOMETRY

Xie C, Aoyagi T, Fuse M, Kanemoto M, Tomita H, Hosaka H.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 35th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1996 May. vol. 34 suppl:s361. (in Japanese)

Reflectance Pulse photometry

Fuse M, Aoyagi T, Kanemoto M, Xie C, Tomita H, Hosaka H, Miyasaka K, Machida K.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 35th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1996 May. vol. 34 suppl:s362. (in Japanese)

PULSE PHOTOMETRY USING 3 WAVELENGTHS

Aoyagi T, Fuse M, Kanemoto M, Xie C, Tomita H, Hosaka H, Miyasaka K, Machida K.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 35th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1996 May. vol. 34 suppl:s363. (in Japanese)

Clinical application of Telemetry Preventive Monitor for Urinary Incontinence by Lower Abdominal Impedance

Fuse M, Aoyagi T, Hosaka H, Yanagisawa H, Toma H, Mizuyama K.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 35th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1996 May. vol. 34 suppl:s347. (in

Japanese)

1997

Use of a pulse dye-densitometry ICG-test (indocyanine green clearance test) to evaluate liver cirrhosis before cardiac surgery. Comparison with child's classification

AR 111 malas to 1 At

Watanabe Y, .Kumon K, Yahagi N, Imanaka H, Haruna M, Aoyagi T, Kobayashi N.

The 7th World Congress of Intensive & Critical Care Medicine (1997)

Effects of pre-operative massive infusion to circulating blood volume at Caesarean section -crystalloid and colloidal solution-

Ueyama H, Tanigami H, He Y, Kobayashi N, Aoyagi T, Mashimo T, Yoshiya I. Abstracts for the 12nd Annual Meeting of Society for Researches on Body Fluid and Metabolism. 1997. Tokyo, p. 12. (in Japanese)

Non-invasive measurement of blood concentration of indocyanine green by pulse dye densitometry

Imai T, Kobayashi N, Ono K, Aoyagi T, Goto F. Anesthesiology. 1997;87(3A): A418.

CARDIAC OUTPUT AND CIRCULATING BLOOD VOLUME ANALYSIS BY PULSE DYE-DENSITOMETRY

lijima T, Aoyagi T, Iwao Y, Masuda J, Fuse M, Kobayashi N, Sankawa H. Journal of Clinical Monitoring. 1997;13: 81-9.

Comparison of indocyanine green clearance using serum spectrophotometric analysis and a non-invasive pulse-spectrophotometry probe in patients with liver failure

Scott VL, Hutson WR, Parker BM, Aoyagi T, Daller NA, Kobayashi N, LEE E, Kang Y, Motoyama EK. Anesthesiology. 1997; 87(3A):A77.

Non-invasive measurement of blood concentration of indocyanine green by pulse dye densitometry

Imai T, Kobayashi N, Ono K, Aoyagi T, Goto F. Anesthesiology. 1997;87(3A): A419.

Pulse oximeter: present and future

Aoyagi T.

Japanese Journal of Clinical Monitoring. 1997; 8(1):45-52. (in Japanese with English abstract)

Change of LED Wavelength with Pulse Oximetry

Xie C, Aoyagi T, Fuse M, Kanemoto M.

Japanese Journal of Clinical Monitoring. Proceedings of the 8th Japan Association of Clinical Monitoring Meeting; 1997; Nagoya. Vol. 8 suppl 4:s52. (in Japanese)

Reflectance Pulse Oximetry

Fuse M, Aoyagi T, Kanemoto M, Xie C, Machida K, Miyasaka K. Japanese Journal of Clinical Monitoring. Proceedings of the 8th Japan Association of Clinical Monitoring Meeting; 1997; Nagoya. Vol. 8 suppl 5:s53. (in Japanese)

A Comparative Study of CO-Oximeters

Aoyagi T.

Japanese Journal of Clinical Monitoring. Proceedings of the 8th Japan Association of Clinical Monitoring Meeting; 1997; Nagoya. Vol. 8 suppl 6:s53. (in Japanese)

Reflectance Pulse Oximetry (No.2)

Fuse M, Aoyagi T, Kanemoto M, Xie C, Hosaka H, Miyasaka K, Machida K.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 36th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1997 Apr. vol. 35 suppl:s496. (in Japanese)

Study on the constants in the multi-wavelength pulse photometry

Kanemoto M, Aoyagi T, Fuse M, Xie C, Hosaka H, Miyasaka K.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 36th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1997 Apr. vol. 35 suppl:s495. (in Japanese)

Improvement of pulse dye-densitometry

Xie C, Aoyagi T, Fuse M, Kanemoto M, Hosaka H.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 36th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1997 Apr. vol. 35 suppl:s497. (in Japanese)

Simultaneous Measurement of COHb in Pulse Oximetry

Aoyagi t, Fuse M, Kanemoto M, Xie C, Hosaka H.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 36th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1997 Apr. vol. 35 suppl:s498. (in Japanese)

A Comparative Study of CO-Oximeters

Aoyagi T.

Japanese Journal of Medical Instrumentation. Proceedings of the 72nd Conference of the Japanese Society of Medical Instrumentation; 1997 May 23; Tokyo. 67(4):191. (in Japanese)

1998

Dye Densitometry Using Pulse Photometry Principle

Aoyagi t.

18th International Symposium on Computing in Anesthesia and Intensive Care. 1998 Mar 18-21. Hamamatsu, Japan. Program & Abstracts p. 98-100.

The Motion Artifact in Pulse Oximetry

Kanemoto M, Aoyagi T, Fuse M, Xie C.

Japanese Journal of Clinical Monitoring. Proceedings of the 9th Japan Association of Clinical Monitoring Meeting; 1998 Mar 27-28; Fukushima. Vol. 9 suppl:s44. (in Japanese)



The Cuvette Simulating Pulse Photometry

Xie C, Aoyagi T, Fuse M, Kanemoto M, Nakagawa S, Miyasaka K. Japanese Journal of Clinical Monitoring. Proceedings of the 9th Japan Association of Clinical Monitoring Meeting; 1998 Mar 27-28; Fukushima. Vol. 9 suppl:s45. (in Japanese)

Evaluation of Errors of Pulse Dye-densitometry-Effects of Residual ICG and Arterial Oxygen Saturation

Kobayashi N, Hirahara H, Takamura Y, Aoyagi T, Hosaka H.

Japanese Journal of Clinical Monitoring. Proceedings of the 9th Japan Association of Clinical Monitoring Meeting; 1998 Mar 27-28; Fukushima. 9 suppl:s45. (in Japanese)

THE OPTICAL ATTENUATION OF SCATTERING SUBSTANCE

Aoyagi T, Xie C, Fuse M, Kanemoto M, Hosaka H.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 37th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1998 May. vol. 36 suppl:s284. (in Japanese)

APPLICATION OF THE REFLECTANCE PULSE PHOTOMETRY FOR NEONATAL AND EARLY CHILDHOOD

Fuse M, Aoyagi T, Kanemoto M, Xie C, Hosaka H, Miyasaka K, Nakagawa S.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 37th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1998 May. vol. 36 suppl:s274. (in Japanese)

THE CUVETTE SIMULATING THE PULSEPHOTOMETRY

Xie C, Aoyagi T, Fuse M, Kanemoto M, Hosaka H, Miyasaka K, Nakagawa S.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 37th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1998 May. vol. 36 suppl:s273. (in Japanese)

THE MOTION ARTIFACT IN PULSE OXIMETRY

Kanemoto M, Aoyagi T, Fuse M, Xie C, Hosaka H.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 37th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1998 May. vol. 36 suppl:s272. (in Japanese)

Application of pulse dye densitometry onto pediatric patients using three wavelengths

Nakagawa S, Fuse M, Aoyagi T, Miyasaka K.

Clinical Pediatric Anesthesia. Proceedings of the 4th Annual Meeting of the Japanese Society of Pediatric Anesthesiology; 1998 Sep 25-26; Sendai, Japan. vol. 4(1):66. (in Japanese)

Blood volume measurement at the bedside using ICG pulse spectrophotometry

Haruna M, Kumon K, Yahagi N, Watanabe Y, Ishida Y, Kobayashi N, Aoyagi T. Anesthesiology. 1988; 89(6):1322-8.

Accuracy of measurement of indocyanine green, its elimination rate constants, blood volumes and cardiac output by pulse dye densitometry-Comparison with the conventional spectrophotometric method

Imai T, Goto F, Isa Y, Kunimoto F, Kobayashi N, Aoyagi T.

An academic meeting in Japan. 1998 Mar. (in Japanese)

Lecture on ME, Focusing on the Pulse Oximeter

Aoyagi T.

Proceedings of the Training Workshop of the Oral Research Group for Dental Practitioners; 1998 Jan 30 ; Tokyo. (in Japanese)

AR I INT mal a 1 M 1 Ata

Principles and Recent Advances of Pulse Oximeters

Aoyagi T.

Proceedings of the Study Group for Respiration and Pulmonary Circulation; 1998 May 29; Tokyo. (in Japanese)

Pulse Photometry

Aoyagi T.

Proceedings of Light Application and Visual Science, Fundamentals and Materials Society, The Institute of Electrical Engineers of Japan; 1998 Sep 4; Yonezawa. (in Japanese)

1999

STUDY ON PULSEPHOTOMETRY USING SCATTERING INCIDENT LIGHT

Aoyagi T, Fuse M, Hosaka H.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 38th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1999 Apr; Sendai, Japan. vol. 37 suppl:s70. (in Japanese)

Pulse Photometry for Neonate and Early Childhood

Fuse M, Aoyagi T, Hosaka H, Nakagawa S, Miyasaka K.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 38th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 1999 Apr; Sendai, Japan. vol. 37 suppl:s71. (in Japanese)

Study on Multi-Wavelength of Pulse Photometry

Aoyagi T, Fuse M, Xie c, Kanemoto M.

Journal of Clinical Monitoring. Proceedings of the 10th Japan Association for Clinical monitoring Meeting; 1999 Apr 30-May 1; Tokyo. suppl:s49. (in Japanese)

Cardiac Output Measurement by Pulse Dye Densitometry-Evaluation with a Test Model for Children

Taguchi N, Nakagawa S, Hasegawa K, Zhang Q, Liu D, Imai Y, Miyasaka K, Fuse M, Aoyagi T. Journal of Clinical Monitoring. Proceedings of the 10th Japan Association for Clinical monitoring Meeting; 1999 Apr 30-May 1; Tokyo. suppl:s49. (in Japanese)

Study on the Optics for Pulse Photometry

Aoyagi T, Fuse M.

Proceedings of Light Application and Visual Science, Fundamentals and Materials Society, The Institute of



Electrical Engineers of Japan; 1999 Nov 12. Material No. LAV-99-20; p. 13-17. (in Japanese)

MULTI WAVELENGTHS PULSE PHOTOMETRY

Aoyagi T, Fuse M.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the Organized Session "Optical Electronics and ME", the Autumn Meeting of the Japan Society of Medical Electronics and Biological Engineering; 1999 Oct 29; Osaka, Japan. vol. 37 suppl:s176. (in Japanese)



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List of papers written by Takuo Aoyagi 2000 – 2012

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2000

Basics, Present and Future of Pulse Oximeters

Aoyagi T, Takeda S, Ukawa T.

Abstracts for the 2nd Neonatal Respiratory Care and Monitoring Forum; 2000 Jan 31-Feb 1; Kurobe, Japan. p. 121. (in Japanese)

Basics, Present and Future of Pulse Oximeters

Aoyagi T, Takeda S, Ukawa T, Ito K. Neonatal Care. 2000; Vol. 13(7):21-7. (in Japanese)

MULCH-WAVELENGTHS PULSE-PHOTOMETRY

Fuse M, Aoyagi T, Taguchi N, Nakagawa S, Miyasaka K.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 39th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 2000 May. vol. 38 suppl:s334. (in Japanese)

STUDY OF OPTICS FOR PULSE-PHOTOMETRY

Aoyagi T, Fuse M.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 39th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 2000 May. vol. 38 suppl:s335. (in Japanese)

A STUDY OF THE INDIGOCARMINE DYE DILUTION CURVE USING PULSEPHOTOMETRY

Fuse M, Aoyagi T, Yamamoto T, et al.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 39th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 2000 May. vol. 38 suppl:s332. (in Japanese)

Concept of Monitor Design (Symposium): From the Viewpoint of a Developer (Philosophy)

Aoyagi T.

Journal of Clinical Monitoring. Proceedings of the 11th Japan Association for Clinical monitoring Meeting; 2000 Mar 17. suppl:s25. (in Japanese)

The Optics of Multi-Wavelength for Pulse Photometry

Aoyagi T, Fuse M.

Journal of Clinical Monitoring. Proceedings of the 11th Japan Association for Clinical monitoring Meeting; 2000 Mar 17. suppl:s39. (in Japanese)

Pulse Photometry

Aoyagi T, Fuse M.

Proceedings of the Symposium "Trend and Vision on the Application of Light Technology for Medical

Treatment", Conference of the Institute of Electrical Engineers of Japan. 2 000 Mar 23. (in Japanese)

Pulse Spectrophotometry

Aoyagi T.

Abstracts for Biological Body and Spectroscopy. Proceedings of the Autumn Meeting of the Spectroscopic Society of Japan; 2000; Kyoto. c2000; p. 65-74. (in Japanese)

All I I al a las the i day

Present and Future of Pulse Oximetry and Pulse Photometry

Aoyagi T.

The Saturday Workshop of Anesthesia, School of Medicine, Kumamoto University. 2000 Dec 9. Kumamoto, Japan. (in Japanese)

2001

The Optics of Pulse Photometry

Aoyagi T.

The Committee for Research on the Application of Light Technology for Medical Treatment, 2001 Mar 16. Tokyo. (in Japanese)

Optics of Pulse photometry

Aoyagi T, Fuse M, Takeda S, Nakagawa S, Miyasaka K.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 40th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 2001May 9-11; Nagoya. vol. 39 suppl:s523. (in Japanese)

NEW PULSE DYE DENSITOMETER CAPABLE OF MEASURING VITAL PARAMETERS

Yamamoto T, Fuse M, Takamura Y, Kobayashi N, Takeda S, Aoyagi T, et al. Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 40th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 2001May 9-11; Nagoya. vol. 39 suppl:s526. (in Japanese)

Theory and Performance Improvement of Pulse Oximetry

Aoyagi T.

Application of Light Technology for Clinical Medicine, Technical Report of The Institute of Electrical Engineers of Japan. 2001;832:26-30. (in Japanese)

2002

Pulse Oximetry, Its Invention, Contribution to Medicine, and Future Tasks

Aoyagi T, Miyasaka K. Anesthesia and Analgesia. 2002;.94:s1-s3.

The Theory and Applications of Pulse Spectrophotometry

Aoyagi T, Miyasaka K. Anesthesia and Analgesia. 2002;.94:s93-s95. Aoyagi T.

Anesthesia and Analgesia. 2002;.94:s101.

Optics of Pulse Oximeter (No.2)

Aoyagi T, Fuse M, Kobayashi N, Takeda S, Ukawa T, Kobayashi H, Nakagawa S, Miyasaka K. Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 41st Conference of the Japan Society of Medical Electronics and Biological Engineering.; 2002 May 9-11; Kyoto. vol. 40 suppl. (in Japanese)

AN I INT malas to 1 Ata

2003

Effects of Hands Up or Hands Down in Pulse Oximetry

Aoyagi T, Fuse M, Kobayashi N, Ukawa T, Miyasaka K, Nakagawa S. Japanese Journal of Clinical Monitoring. 2003;14 Suppl:s27. (in Japanese)

Analysis of Motion Artifact of Pulse Oximetry

Aoyagi T, Fuse M, Kobayashi N, Ukawa T, Miyasaka K, Nakagawa S. Japanese Journal of Clinical Monitoring. 2003;14 Suppl:s27. (in Japanese)

Analysis of Motion Artifact of Pulse Oximetry

Aoyagi T, Fuse M, Kobayashi N, Ukawa T, Miyasaka K, Nakagawa S.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 42nd Conference of the Japan Society of Medical Electronics and Biological Engineering.; 2003 June. vol. 41suppl:s421. (in Japanese)

Theory of pulse spectra-photometry (pulse oximetry)

Aoyagi T, Fuse M, Miyasaka K.

Abstracts for World Congress on Medical Physics & Biomedical Engineering; 2003 Aug 24-29;.Sydney, Australia.

Improvement of pulse oximeter performance

Aoyagi T, Fuse M, Kobayashi N, Ukawa T, Miyasaka K.

Abstracts for World Congress on Medical Physics & Biomedical Engineering; 2003 Aug 24-29;.Sydney, Australia.

Pulse Oximetry: Its Invention and Future

Aoyagi T.

Special Lecture for the Kanto-Koshinetsu regional meeting, the Japanese Society of Intensive Care Medicine; 2003; Tokyo. (in Japanese)

Pulse Oximetry

Aoyagi T.

Abstracts for the Meeting of the Optical Society of Japan, Optoelectronics Industry and Technology Development Association, "Light and Biology, Light and Medical Treatment,"; 2003; Tokyo; p. 35-44. (in Japanese)

Pulse Oximetry and Its Originality

Aoyagi T.

Lecture of the Department of Bio-cybernetics, Faculty of Engineering, Niigata University; 2003. (in Japanese)

All tot tot tot the line to the

Pulse oximetry: its invention, theory, and future

Aoyagi T. Journal of Anesthesia. 2003;17: 259-66.

2004

Causes of Errors in Pulse Oximetry

Aoyagi T, Fuse M, Kobayashi N, Nakagawa S, Miyasaka K. Japanese Journal of Clinical Monitoring. 2004;15 suppl:s54. (in Japanese)

Five-Wavelength Pulse Photometry

Aoyagi T, Fuse M, Kobayashi N, Ito K, Nakagawa S, Miyasaka K. Japanese Journal of Clinical Monitoring. 2004;15 suppl:s55. (in Japanese)

Analysis of Motion Artifact in Pulse Oximetry

Aoyagi t, Fuse M, Kobayashi N, Ito K, Nakagawa S, Miyasaka K. Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 43rd Conference of the Japan Society of Medical Electronics and Biological Engineering.; 2004 May. vol. 42 suppl:s356. (in Japanese)

Optics of Pulse-Spectrophotometry (No. 3)

Aoyagi T, Fuse M, Kobayashi N, Miyasaka K.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 43rd Conference of the Japan Society of Medical Electronics and Biological Engineering.; 2004 May. vol. 42 suppl:s350. (in Japanese)

Effect of Tissue on Pulse Spectrophotometry

Aoyagi T, Kobayashi N, Fuse M, Iijima T, Miyasaka K.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 43rd Conference of the Japan Society of Medical Electronics and Biological Engineering.; 2004 May. vol. 42 suppl:s357. (in Japanese)

Pulse oximetry and pulse dye-densitometry -history and future-

Aoyagi T, Fuse M, Kobayashi N, Miyasaka K. 9th ICCVA 2004; Tokyo, Japan.

2005

Pulse oximetry - its idea, theory and future

Aoyagi T, Fuse M, Kobayashi N, Miyasaka K.

European Society for Computing & Technology in Anesthesia & Intensive Care. European Society for Computing & Technology in Anesthesia & Intensive Care; 2005; p. 17-8.

Pulse Oximetry: Its Invention and Theory

Aoyagi T.

Optronics. 2006 Mar;291:131-7. (in Japanese)

Principle and Future Vision of Pulse Oximeter

Aoyagi T, Ukawa T.

Japanese Society of Medical Instrumentation. Proceedings of the 4th Workshop of Maintenance Management of Surgical Equipment; 2006; Fukuoka, Japan. (in Japanese)

All tot tot tot tot

Pulse Oximetry: Its Invention and Future

Aoyagi T, Ukawa T.

Proceedings of Seminar for Respiratory Therapy, Fukuoka Association for Clinical Engineering Technologists; 2006; Kurume, Japan. (in Japanese)

Very low SO2 experiment for proving theory of pulse oximetry

Aoyagi T, Fuse M, Kobayashi N, Miyasaka K.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 45th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 2006 May. vol. 44 suppl:s598. (in Japanese)

Reflectance pulse oximetry using five wavelengths

Aoyagi T, Fuse M, Kobayashi N, Miyasaka K.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 45th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 2006 May. vol. 44 suppl:s599. (in Japanese)

Motion artifact elimination with five wavelengths time analysis for pulse oximetry

Aoyagi T, Fuse M, Kobayashi N, Miyasaka K.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 45th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 2006 May. vol. 44 suppl:s600. (in Japanese)

Performance of four wavelengths pulse oximetry

Aoyagi T, Fuse M, Kobayashi N, Miyasaka K.

Japanese Journal of Medical Electronics and Biomedical Engineering. Proceedings of the 45th Conference of the Japan Society of Medical Electronics and Biological Engineering.; 2006 May. vol. 44 suppl:s601. (in Japanese)

Pulse Oximetry: Its Invention, Current Issues and Future

Aoyagi T, Ukawa T. Journal of the Japan Society for Respiratory Care. 2006;16(1):75.

Pulse Oximetry: From Birth to Future (Global Aspects on Pulse Oximeter: Part 2)

Japanese Journal of Medical Instrumentation. 2007;77(2):94-103. (in Japanese)

Multiwavelength Pulse Oximetry: Theory for the future

Aoyagi T, Fuse M, Kobayashi N, Machida K, Miyasaka K. Anesth Analg 2007 Dec;105(6):S53-8

2009

Study on the Optics for Pulse Photometry

Aoyagi T, Fuse M.

Aoyagi T.

Proceedings of Light Application and Visual Science, Fundamentals and Materials Society, The Institute of Electrical Engineers of Japan; 1999 Nov 12. Material No. LAV-99-20; p. 13-17. (in Japanese)

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2010

Basic Theory of Pulse Oximetry

Aoyagi T, Fuse M, Miyasaka K

Keynote Lecture for the annual meeting, Japan Society of Technology in Anesthesia; 2010; Tottori. (in Japanese)

2011

Invention of Pulse Oximetry and Later

Aoyagi T. Japanese Journal of Medical Electronics and Biomedical Engineering. 2011;49(2):313-5. (in Japanese)

2012

Theoretical and Experimental Study of Pulse Oximetry

Aoyagi T, Fuse M, Kanemoto M. Japanese Journal of Medical Electronics and Biomedical Engineering. 2012;50(3):299-307. (in Japanese with English abstract)



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