

J. Jeżewski, K. Horoba, J. Wróbel, A. Matonia et al., "Adapting new bedside instrumentation for computer-aided fetal monitoring using efficient tools for system reconfiguration" in *Recent Advances in Computers, Computing and Communications*,

N. Mastorakis

Ed.

, WSEAS Press, Grecja, 2002, 80-85.

J. Jeżewski, J. Wróbel, K. Horoba, "Monitorowanie zagrożeń płodu wspomaganie komputerem"
w

Biocybernetyka i Inżynieria Biomedyczna 2000 - Tom 7. Systemy komputerowe i teleinformatyczne w służbie zdrowia,

M. Nałęcz,

Red.

, Akademicka Oficyna Wydawnicza EXIT, Warszawa, 2002, 97-119.

J. Jeżewski, K. Horoba, J. Wróbel, J. Sikora et al., "Monitoring of mechanical and electrical activity of fetal heart: Determination of the FHR", *Archives of Perinatal Medicine*, vol. 8, 2002, 33-39.

J. Jeżewski, J. Wróbel, K. Horoba, D. Cholewa et al., "Monitoring of mechanical and electrical activity of fetal heart: The nature of signals", *Archives of Perinatal Medicine*, vol. 8, 2002, 40-46.

J. Jeżewski, J. Wróbel, A. Matonia, T. Kupka i inni, "Porównanie zawartości informacyjnej sygnałów mechanicznej i elektrycznej aktywności serca płodu", *Kliniczna Perinatologia i Ginekologia*, vol. 36, 2002, 130-137.

T. Kupka, J. Jeżewski, A. Gacek, A. Matonia i inni, "Ocena informacji o aktywności ruchowej płodu w sygnale aktogramu", *Kliniczna Perinatologia i Ginekologia*, vol. 36, 2002, 227-233.

A. Matonia, A. Gacek, J. Jeżewski, T. Kupka i inni, "Tłumienie elektrokardiogramu matczynego w pośredniej elektrokardiografii płodowej", *Kliniczna Perinatologia i Ginekologia*, vol. 36, 2002,

308-316.

E. Lobos, M. Momot, "Reliability Design of Complex Systems by Minimizing the Lifetime Variance", *International Journal of Applied Mathematics and Computer Science*, vol. 12, 4, 2002, 553-557.

W. Pedrycz, A. Gacek, "Temporal granulation and its application to signal analysis", *Information Sciences*, vol. 143, 2002, 47-71.

F. Prochaczek, "Stymulacyjne wspomaganie hemodynamiki w warunkach anestezji ogólnej", *Chirurgia Polska*, vol. 4, 1, 2002, 1-18.

J. Jeżewski, K. Horoba, J. Wróbel, A. Gacek, "Inconsistency in evaluation of clinical patterns in fetal heart rate waveforms", *Journal of Medical Informatics and Technologies*, vol. 4, 2002, 27-35.

A. Matonia, J. Jeżewski, A. Gacek, T. Kupka et al., "Computerized fetal monitoring based on bioelectric signals from maternal abdomen", *Journal of Medical Informatics and Technologies*, vol. 4, 2002, 37-47.

T. Kupka, J. Jeżewski, A. Matonia, J. Wróbel et al., "Coincidence of maternal and fetal QRS complexes in view of fetal heart rate determination", *Journal of Medical Informatics and Technologies*, vol. 4, 2002, 49-55.

P. Gibiński, A. Owczarek, "Assessment of low-frequency response of ECG recorders in relation to international requirements", *Journal of Medical Informatics and Technologies*, vol. 4, 2002, 63-71.

L. Drewniak, J. Żmudziński, J. Gałęcka, A. Gacek, "Application of programmable logic devices for acquisition of ECG signal with pacemaker pulse", *Journal of Medical Informatics and Technologies*, vol. 4, 2002, 73-82.

K. Horoba, J. Jeżewski, J. Wróbel, A. Gacek, "Quantification of electrical activity of pregnant human uterus in time and frequency domains", in *IFMBE Proc. of 12th NBC Conference*, 2002, 160-161.

J. Jeżewski, A. Matonia, T. Kupka, A. Gacek et al., "Suppression of maternal ECG interference in abdominal fetal electrocardiogram", in *IFMBE Proc. of 12th NBC Conference*, 2002, 162-163.

J. Jeżewski, K. Horoba, J. Wróbel, J. Sikora et al., "Comparison of visual and computerized analysis of acceleration/deceleration patterns in fetal heart rate signal", in *IFMBE Proc. of 2nd EMBEC Conference*, 2002, 1534-1535.

J. Jeżewski, J. Wróbel, K. Horoba, A. Matonia et al., "Estimation of beat-to-beat accuracy of fetal heart rate data obtained via Doppler ultrasound", in *IFMBE Proc. of 2nd EMBEC Conference*, 2002, 1536-1537.

J. Jeżewski, J. Wróbel, K. Horoba, A. Gacek et al., "Fetal heart rate variability: clinical experts versus computerized system interpretation", in *Proc. of 24th IEEE/EMBS Conference*, 2002, 1617-1618.

J. Jeżewski, K. Horoba, J. Wróbel, A. Matonia et al., "Fast prototyping of an interface between new bedside device and computerized fetal monitoring system", in *Proc. of 24th IEEE/EMBS Conference*, 2002, 1801-1802.