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Continuous metabolic monitoring techniques

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Publications

List of publications from the author

(1-9)

1. **Schoonen, A.J., F.J. Schmidt, H. Hasper, D.A. Verbrugge, R.G. Tiessen, and C.F. Lerk.** Development of a potentially wearable glucose sensor for patients with diabetes mellitus: design and in-vitro evaluation. *Biosens.Bioelectron.* 5: 37-46, 1990.
2. **Tiessen, R.G., N.A. van-Elsacker, K.C. Vermeij, D. Oepkes, R.J. van, and M.C. Gorsira.** A fetus with a parvovirus B19 infection and congenital anomalies. *Prenat.Diagn.* 14: 173-176, 1994.
3. **Kaptein, W.A., R.H. Kemper, M.H. Ruiters, K. Venema, R.G. Tiessen, and J. Korf.** Methodological aspects of glucose monitoring with a slow continuous subcutaneous and intravenous ultrafiltration system in rats. *Biosens.Bioelectron.* 12: 967-976, 1997.
4. **Tiessen, R.G., W.A. Kaptein, K. Venema, and J. Korf.** Slow ultrafiltration for continuous in vivo sampling: application for glucose and lactate in man. *Analytica Chimica Acta* 379: 327-335, 1999.
5. **Rhemrev-Boom, R.M., R.G. Tiessen, K. Venema, and J. Korf.** Biosensor device and ultrafiltration sampling for continuous in vivo monitoring of glucose. *Biocybernetics & Biomedical Engineering* 19: 97-104, 1999.
6. **Tiessen R.G., Tio R.A., Hoekstra A., Venema K., and Korf J.** An ultrafiltration catheter for monitoring of venous lactate and glucose around myocardial ischemia. *Biosens.Bioelectron.* 16: 159-167, 2001.
7. **Rhemrev-Boom, R.M., M.A. Jonker, K. Venema, G. Jobst, R.G. Tiessen, and J. Korf.** On-line continuous monitoring of glucose or lactate by ultraslow microdialysis combined with a flow-through nanoliter biosensor based on poly(m-phenylenediamine) ultra-thin polymer membrane as enzyme electrode. *Analyst* 126: 1073-1079, 2001.
8. **Rhemrev-Boom R.M., Tiessen R.G., Jonker A.A., Venema K., Vadgama P, and Korf J.** A lightweight measuring device for the continuous in vivo monitoring of glucose by means of ultraslow microdialysis in combination with a miniaturised flow-through biosensor. *Clinica Chimica Acta* In press 2001.
9. **Tiessen R.G., Rhemrev-Boom R.M., and Korf J.** Glucose gradient differences in subcutaneous tissue of healthy volunteers assessed with ultraslow microdialysis and a nanolitre glucose sensor. *Life Sci.* accepted: 2001.