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van Lien, R.

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van Lien, R., Schutte, N. M., Meijer, J. H., and de Geus, E. J.C. (2013). Estimated preejection period (PEP) based on the detection of the R-wave and dZ/dt-min peaks in ECG and ICG. *Journal of Physics: Conference Series* 434 012046. <http://iopscience.iop.org/1742-6596/434/1/012046>.

van Dijk, A. E., **van Lien, R.**, van Eijsden M, Gemke, R. J., Vrijkotte, T. G., and de Geus, E. J.C. (2013). Measuring Cardiac Autonomic Nervous System (ANS) Activity in Children. *Journal of Visualized Experiments*, 74, e50073, doi:10.3791/50073.

Willemsen, G., Vink, J.M., Abdellaoui, A., den Braber A., van Beek, J.H., Draisma, H.H., van Dongen, J., van 't Ent, D., Geels, L.M., **van Lien R.**, Ligthart, L., Kattenberg, M., Mbarek, H., de Moor, M.H., Neijts, M., Pool, R., Stroo, N., Kluft, C., Suchiman, H.E., Slagboom, P.E., de Geus, E.J.C. and Boomsma, D.I. (2013). The Adult Netherlands Twin Register: twenty-five years of survey and biological data collection. *Twin Research and Human Genetics*, 16, 271-281.

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van Lien, R., van den Keijbus, P. A. M. , Veerman, E.C.I., Bosch, J. May, J., Wüst, S., and de Geus, E.J.C. (2013). The role of sympathetic and parasympathetic activation in sAA secretion.

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de Geus, E.J.C., **van Lien, R.**, Neijts, M., and Willemsen, G. (2013). Genetics of autonomic nervous system activity. In: Canli, T. (ed), *The Oxford Handbook of Molecular Psychology*, Oxford University Press: London.

List of abbreviations

List of Abbreviations

| | |
|----------|--|
| BMI | Body mass index |
| BP | Blood pressure |
| CoAR | measure of ANS co-activation |
| CVD | Cardiovascular disease |
| DAMS | Data Analyses and Management Software |
| DBP | Diastolic blood pressure |
| DZ | Dizygotic |
| dz/dt | Change in impedance |
| ECG | Electrocardiogram |
| GPS | Global Positioning System |
| HF | High frequency power |
| HPA axis | Hypothalamus pituitary adrenal axis |
| HR | Heart rate |
| HRV | Heart rate variability |
| IBI | Inter-beat-interval |
| ICG | Impedance cardiogram |
| ISTI | Initial systolic time interval |
| LF | low frequency power |
| LF/HF | Ratio of the low and high frequency power |
| LVET | Left ventricular ejection time |
| NETAMB | Netherlands twin family ambulatory study |
| NTR | Netherlands twin register |
| PEP | Preejection period |
| RMSSD | Root mean square of successive differences |
| RR | Respiration rate |
| RSA | Respiratory sinus arrhythmia |
| sAA | Salivary alpha amylase |
| SBP | Systolic blood pressure |
| SDNN | Standard deviation of normal-to-normal intervals |
| TWA | T-wave amplitude |
| VU-AMS | VU University Ambulatory Monitoring System |
| Z | Impedance (in Ohm) |

Dankwoord

Dankwoord

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