Dokumenttyp: journal article

Autor(en) des Beitrags: Lukaschek, K; Baumert, J; Kruse, J; Emeny, RT; Lacruz, ME; Huth, C; Thorand, B; Holle, R; Rathmann, W; Meisinger, C; Ladwig, KH; KORA investigators

Titel des Beitrags: Relationship between posttraumatic stress disorder and Type 2 Diabetes in a population-based cross-sectional study with 2970 participants.

Abstract: To evaluate the association of posttraumatic stress disorder (PTSD) with type 2 diabetes (T2D) or prediabetes in a large population-based sample. In 2970 subjects (aged 32-81 years) drawn from the population-based cross-sectional study KORA F4 from the Augsburg region (Southern Germany) a PTSD screening was performed employing the Posttraumatic Diagnostic Scale, the Impact of Event Scale, and interview data. The exposure variable PTSD was sub-classified into partial and full PTSD and additionally in subjects with traumatic event but no PTSD to "The exposure variable PTSD was classified into (1) no traumatic event (2) traumatic event, but no PTSD, (3) partial PTSD, (4) full PTSD. A total of 50 (1.7%) subjects qualified for full PTSD, whereas 261 (8.8%) qualified for partial PTSD. A total of 333 subjects (11.2%) suffered from T2D and 498 (16.8%) from prediabetes as assessed by an oral glucose tolerance test and physicians' validation. The associations of PTSD with T2D and prediabetes were estimated by multinomial logistic regression analyses with adjustments for sociodemographic characteristics, metabolic risk factors or psychopathological conditions. In the model adjusted for sociodemographic characteristics and metabolic risk
factors, full PTSD was significantly associated with T2D (OR: 3.90, 95% CI: 1.61-9.45, \( p=0.003 \)) compared to subjects with no traumatic event. Significance remained after additional adjustment for other psychopathological conditions (OR: 3.56, 95% CI: 1.43-8.85, \( p=0.006 \)). Regarding prediabetes, no significant associations were observed. Suffering from PTSD might activate chronic stress symptoms and trigger physiological mechanisms leading to T2D. Prospective studies are needed to investigate temporal and causal relationships between PTSD and T2D.