XXVII SCIENTIFIC CONFERENCE

EMPIRICAL STUDIES IN PSYCHOLOGY

 $13-16^{\mathrm{TH}}$ MAY, 2021. FACULTY OF PHILOSOPHY, UNIVERSITY OF BELGRADE



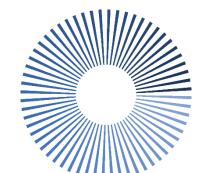
INSTITUTE OF PSYCHOLOGY LABORATORY FOR EXPERIMENTAL PSYCHOLOGY FACULTY OF PHILOSOPHY, UNIVERSITY OF BELGRADE

XXVII SCIENTIFIC CONFERENCE

EMPIRICAL STUDIES IN PSYCHOLOGY

13 – 16TH MAY, 2021. FACULTY OF PHILOSOPHY, UNIVERSITY OF BELGRADE





INSTITUTE OF PSYCHOLOGY

LABORATORY FOR EXPERIMENTAL PSYCHOLOGY FACULTY OF PHILOSOPHY, UNIVERSITY OF BELGRADE

BELGRADE, 2021

Programme committee

Orlando M. Lourenço, Kai Ruggeri, Claus-Christian Carbon, Agostini Tiziano, Lucia Tramonte, Maria do Céu Taveira, José M. Peiró, Gonida Sofia-Eleftheria, Milica Vukelić, Ivana Stepanović Ilić, Zora Krnjaić, Dejan Todorović, Sunčica Zdravković, Iris Žeželj, Danka Purić, Zvonimir Galić, Kirsten E. Bevelander, Dušica Filipović Đurđević, Slobodan Marković, Jérémy Lemoine, Ksenija Krstić, Dražen Domijan, Oliver Tošković, Olja Jovanović, Dobrinka Kuzmanović, Bojana Bodroža, Ivana Jakovljev, Dragan Janković, Pavle Valerjev, Denis Bratko, Petar Čolović, Jelena Matanović, Janko Međedović, Marija Branković, Anja Wertag, Dragana Stanojević, Maja Savić, Nataša Simić, Maša Popović, Darinka Anđelković, Tamara Džamonja Ignjatović, Marko Živanović, Maša Vukčević Marković, Goran Opačić, Aleksandar Kostić, Nenad Havelka, Kaja Damnjanović, Marina Videnović (chairwoman)

Organizing committee

Marina Videnović, Slobodan Marković, Dušica Filipović Đurđević, Olga Marković Rosić, Ivana Stepanović Ilić, Predrag Nedimović, Ksenija Mišić, Milana Rajić, Marko Živanović, Kaja Damnjanović, Nataša Simić, Teodora Vuletić, Ana Avramović, Ivana Jovanović, Jelica Jovanović, Anđela Milošević

Conference volunteers

Ivana Jovanović, Ana Avramović, Jelica Jovanović, Darja Devedžic, Jana Ikodinović, Jelena Jašović, Lenka Protić, Miljana Lakićević, Sanja Stojiljković, Sara Dojčinović, Nikola Đorđević

Cover photo:

TUNING FORKS (E. Zimmermann, Leipzig – Berlin)

Instruments for generating tones of a given frequency. They are used in studies of auditory sensitivity for determining the differential, absolute and upper thresholds. Figure shows a set of three tuning forks generating the C-major chord, each fork generating the tones of 256 Hz (c¹), 320 Hz (e¹), and 384 Hz (g¹) respectively. The forks were tuned to the pitch of the originals from the German Physico-Technical Imperial Institute (Phys.-techn. Reichsanstalt).

DIFFERENCES IN MENTAL TOUGHNESS OF ATHLETES

Ivana Zubić

Faculty of Sports, University "Union-Nikola Tesla" | ivana.zubic@fzs.edu.rs

Mental toughness is a crucial attribute for success in competitive sport. Mental toughness of athletes is an unshakeable perseverance and conviction towards goal despite pressure or adversity. Mentally tough athlete has a high sense of self-belief and an unshakable faith that they control their own destiny, these individuals can remain relatively unaffected by competition and adversity. The aim of this research was to analyze the relations between mental toughness of athletes and their gender, age, type of sports, and years spent in sport training. The sample consisted of 64 athletes, 57.8% men, 62.5% athletes of individual sports, 56.3% athletes who train less than 10 years, 71.9% athletes who are younger than 30 years. The Sports Mental Toughness Questionnaire, which was used to assess participants' mental toughness, is a 14-item tool that measures total mental toughness (Cronbach's alpha $\alpha = .92$). The participants had to respond to items on a four-point Likert-type scale ranging from 1 -"not at all true" to 4 - "very true". Men had higher scores than women on mental toughness (Cohen's d=0.76, t(62)=3.05, p<.001). These differences could be due to different socialization processes of men and women. Results showed that athletes of team sports were mentally tougher (Cohen's d=0.67, t(62)=-2.62, p<.05) than athletes of individual sports. Possible explanation of these differences is that athletes of team sports usually have social support from other team members and athletes of individual sports can't rely on others. Difference between athletes who are younger than 30 years and athletes who are older than 30 years in mental toughness was not statistically significant (t(62)=-0.12, p=.94). Also, trend-level differences between athletes who train less than 10 years and athletes who train more than 10 years in mental toughness were not statistically significant (t(62)=-1.78, p=.08). Therefore, it seems that learning experiences and/or biological changes are not reflected in changes in the mental toughness. Finally, age and years of experience were relatively highly correlated (r=.60, p<.001). Overall, the results suggest that there is a space to increase mental toughness of women and athletes of individual sports by systemic work.

Keywords: mental toughness, athletes, sex, age, years of training

NEW MEASURE OF SECONDARY TRAUMATIZATION: PSYCHOMETRIC PROPERTIES AND EXTERNAL VALIDITY OF SECONDARY TRAUMATIZATION QUESTIONNAIRE (STQ)

Marko Živanović

Institute of Psychology and Laboratory for Research of Individual Differences, Faculty of Philosophy, University of Belgrade, Serbia | marko.zivanovic@f.bg.ac.rs

Psychosocial Innovation Network

Maša Vukčević Marković

Institute of Psychology and Laboratory for Research of Individual Differences, Faculty of Philosophy, University of Belgrade, Serbia Psychosocial Innovation Network

Secondary traumatization (ST) is a condition that results from prolonged exposure to traumatized individuals and which mimics symptoms of post-traumatic stress disorder (PTSD). Even though ST is conceptually linked to PTSD none of the existing measures of this construct proved to cover its manifestations in a manner that would correspond to any of the prominent models of PTSD. Thus, the present study aims to develop, psychometrically evaluate, and validate a new self-report measure of ST that would rely on DSM-5 criteria for PTSD. A total of 223 professionals (age range 22–65 years, M=38.99, SD=11.12; 74.9% females) working directly with traumatized individuals, i.e., refugees, migrants, and asylum seekers by providing different services and assistance participated in the study. They completed a newly developed 20-item Secondary Traumatization Questionnaire (STQ) relying on DSM-5 symptoms of PTSD (intrusions - five items, avoidance - two items, negative alterations in cognitions and mood (NACM) – seven items, hyperarousal – six items); a single-item measures of depression and anxiety; 12-item self-perceived quality of life (QoL) (α =.86), and Copenhagen Burnout Inventory (α =.91). STQ showed high indices of item sampling adequacy (KMO=.98), internal consistency (α =.91), and homogeneity (H5=.71). Six concurrent models of the latent composition of STQ were examined – a single factor model, four-factor models (DSM-5, Dysphoria), five-factor model (Dysphoric arousal), and six-factor models (Anhedonia, Externalizing behaviors). Except for a single-factor, all other models demonstrated fair fit indices, with the four-factor DSM-5 model [χ =317.21, p<.001, CFI=.91, TLI=.89, SRMR=.057, RMSEA=.065 (.054-.076)] being empirically the most adequate one. Factors of intrusions, avoidance, NACM, and hyperarousal were significantly related to depression (r=.22–.53, p<.01), anxiety (r=.29–.59, p<.01), QoL (r=-.21-.39, p<.01), and burnout (r=.33-.56, p<.01). Additionally, STQ demonstrated incremental value in predicting depression [R=.15, F(4,217)=12.27, p<.001], anxiety [R=.17, F(4,217)=14.94, p<.001], and QoL [R=.06, F(4,217)=4.38, p=.002] over and above burnout [R=.17, F(1,221)=45.59, p<.001; R=.21, F(1,221)=56.94, p<.001; R=.15, F(1,221)=40.33,p<.001, respectively]. The psychometric quality of a newly developed STQ, comparability of its latent composition with PTSD symptom clusters, and its usefulness in the prediction of relevant mental health outcomes is discussed.

Keywords: secondary traumatization, secondary trauma, Secondary Traumatization Questionnaire (STQ), Posttraumatic Stress Disorder (PTSD)

50

CONFERENCE SPONSORS













CIP – Katalogizacija u publikaciji Narodna biblioteka Srbije, Beograd

PROCEEDINGS OF THE XXIVI SCIENTIFIC CONFERENCE EMPIRICAL STUDIES IN PSYCHOLOGY (26; 2020., Beograd)

[Knjiga rezimea] / XXVII naučni skup Empirijska istraživanja u psihologiji 13–16. maj 2021., Filozofski fakultet, Univerzitet u Beogradu; [organizatori]

Institut za psihologiju i Laboratorija za eksperimentalnu psihologiju – 1. Izd – Beograd: Filozofski fakultet, 2021 – 149 str.

Kor. Nasl. – Knjiga rezimea na srp. i engl. jeziku – elektronsko izdanje

ISBN 978-86-6427-166-0

- 1. Institut za psihologiju (Beograd)
- 2. Laboratorija za eksperimentalnu psihologiju (Beograd)
- a) Psihologija Empirijska istraživanja Knjiga rezimea