

Charakteristika predkladaného výstupu tvorivej činnosti / Characteristics of the submitted research/ artistic/other output

Tlačivo VTC slúži na predkladanie výstupov tvorivej činnosti podľa metodiky hodnotenia tvorivých činností (časť V. Metodiky na vyhodnocovanie štandardov) / The form is used to submit the research/artistic/other outputs according to the evaluation methodology of research/artistic/other activities (part V. The Methodology for Standards Evaluation).

ID konania/ID of the procedure: ¹		
Kód VTC/Code of the research/artistic/other output (RAOO): ¹		
OCA1. Priezvisko hodnotenej osoby / Surname awarded to the assessed person ²		Cséfalvay
OCA2. Meno hodnotenej osoby / Name awarded to the assessed person ²		Zsolt
OCA3. Tituly hodnotenej osoby / Degrees awarded to the assessed person ²		prof., PaedDr., PhD.
OCA4. Hyperlink na záznam osoby v Registri zamestnancov vysokých škôl / Hyperlink to the entry of the person in the Register of university staff ³		https://www.portalvs.sk/regzam/detail/4959
OCA5. Oblasť posudzovania / Area of assessment ⁴		Logopédia, tretí stupeň / Speech and Language Therapy, trird degree
OCA6. Kategória výstupu tvorivej činnosti / Category of the research/ artistic/other output <i>Výber zo 6 možností (pozri Vysvetlivky k položke OCA6) / Choice from 6 options (see Explanations for OCA6).</i>		vedecký výstup/scientific output
OCA7. Rok vydania výstupu tvorivej činnosti / Year of publication of the research/artistic/other output		2023
OCA8. ID záznamu v CREPČ alebo CREUČ (ak je) / ID of the record in the Central Registry of Publication Activity (CRPA) or the Central Registry of Artistic Activity (CRAA) ⁵		1039038
OCA9. Hyperlink na záznam v CREPČ alebo CREUČ / Hyperlink to the record in CRPA or CRAA ⁶		https://app.crepc.sk/?fn=detailBiblioForm&sid=706B7159B114D32C95B69192A485
Charakteristika výstupu, ktorý nie je registrovaný v CRPA alebo CRAA	OCA10. Hyperlink na záznam v inom verejne prístupnom registri, katalógu výstupov tvorivých činností / Hyperlink to the record in another publicly accessible register, catalogue of research/ artistic/other outputs ⁷	
	OCA11. Charakteristika výstupu vo formáte bibliografického záznamu CREPČ alebo CREUČ, ak výstup nie je vo verejne prístupnom registri alebo katalógu výstupov / Characteristics of the output in the format of the CRPA or the CRAA bibliographic record, if the output is not available in a publicly accessible register or catalogue of outputs	

Charakteristika výstupu, ktorý nie je registrovaný v CREPČ alebo CREUČ / Characteristic of the output, which is not registered in CREPČ or CREUČ	OCA12. Typ výstupu (ak nie je výstup registrovaný v CREPČ alebo CREUČ) / Type of the output (if the output is not registered in CRPA or CRAA) <i>Výber zo 67 možností (pozri Vysvetlivky k položke OCA12) / Choice from 67 options (see Explanations for OCA12).</i>	
	OCA13. Hyperlink na stránku, na ktorej je výstup sprístupnený (úplný text, iná dokumentácia a podobne) / Hyperlink to the webpage where the output is available (full text, other documentation, etc.)	
	OCA14. Charakteristika autorského vkladu / Characteristics of the author's contribution	
	OCA15. Anotácia výstupu s kontextovými informáciami týkajúcimi sa opisu tvorivého procesu a obsahu tvorivej činnosti a pod. / Annotation of the output with contextual information concerning the description of creative process and the content of the research/artistic/other activity, etc. ⁸ <i>Rozsah do 200 slov v slovenskom jazyku / Range up to 200 words in Slovak</i> <i>Rozsah do 200 slov v anglickom jazyku / Range up to 200 words in English</i>	
OCA16. Anotácia výstupu v anglickom jazyku / Annotation of the output in English ⁹ <i>Rozsah do 200 slov / Range up to 200 words</i>	Parkinson's disease (PD) affects the language processes, with a significant impact on the patients' daily communication. We aimed to describe specific alterations in the comprehension of syntactically complex sentences in patients with PD (PwPD) as compared to healthy controls (HC) and to identify the neural underpinnings of these deficits using a functional connectivity analysis of the striatum. A total of 20 patients PwPD and 15 HC participated in the fMRI study. We analyzed their performance of a Test of sentence comprehension (ToSC) adjusted for fMRI. A task-dependent functional connectivity analysis of the striatum was conducted using the psychophysiological interaction method (PPI). On the behavioral level, the PwPD scored significantly lower (mean \pm sd: 77.3 \pm 12.6) in the total ToSC score than the HC did (mean \pm sd: 86.6 \pm 8.0), $p = 0.02$, and the difference was also significant specifically for sentences with a non-canonical word order (PD-mean \pm sd: 69.9 \pm 14.1, HC-mean \pm sd: 80.2 \pm 11.5, $p = 0.04$). Using PPI, we found a statistically significant difference between the PwPD and the HC in connectivity from the right striatum to the supplementary motor area [SMA, (4 8 53)] for non-canonical sentences. This PPI connectivity was negatively correlated with the ToSC accuracy of non-canonical sentences in the PwPD. Our results showed disturbed sentence reading comprehension in the PwPD with altered task-dependent functional connectivity from the right striatum to the SMA, which supports the synchronization of the temporal and sequential aspects of language processing. The study revealed that subcortical-cortical networks (striatal-frontal loop) in PwPD are compromised, leading to impaired comprehension of syntactically complex sentences.	
OCA17. Zoznam najviac 5 najvýznamnejších ohlasov na výstup / List of maximum 5 most significant citations corresponding to the output	vedecký článok bol publikovaný na jar 2023, zatiaľ nebol citovaný. /the scientific article was published in spring 2023, it has not yet been cited.	
OCA18. Charakteristika dopadu výstupu na spoločensko-hospodársku prax / Characteristic of the output's impact on socio-economic practice		
OCA19. Charakteristika dopadu výstupu a súvisiacich aktivít na vzdelávací proces / Characteristics of the output and related activities' impact on the educational process <i>Rozsah do 200 slov v slovenskom jazyku / Range up to 200 words in Slovak</i> <i>Rozsah do 200 slov v anglickom jazyku / Range up to 200 words in English</i>	Publikácia slúži na rozšírenie vedomostí študentom doktorandského štúdia logopédie z oblasti jazykových deficitov pri PCH a mozgových mechanizmoch participujúcich na spracovaní reči/The publication serves to expand the knowledge of doctoral students in speech-language therapy programme about language deficits in PD and brain mechanisms participating in language processing.	