

Roberta Ronchi, PhD

FULL LIST OF PUBLICATIONS

1. E. Cataldo, **R. Ronchi**, "Récupération de la négligence post-AVC dans le temps", *Revue Médicale Suisse* 19 (2023), 828-830. doi : 10.53738/REVMED.2023.19.824.828.
2. P. Vuilleumier, E. Cataldo, **R. Ronchi**, "L'évaluation de l'anosognosie ", *Traité de Neuropsychologie Adulte – Evaluation*, De Boeck Supérieur ed (2023), 595-612.
3. D. Perez-Marcos*, **R. Ronchi***, A. Giroux, F. Brenet, A. Serino, T. Tadi, O. Blanke, "An Immersive Virtual Reality System for Ecological Assessment of Peripersonal and Extrapersonal Unilateral Spatial Neglect", *Journal of NeuroEngineering and Rehabilitation* (2023), 20, 33
<https://doi.org/10.1186/s12984-023-01156-1>.
4. **R. Ronchi** and G. Vallar, "La riabilitazione della negligenza spaziale unilaterale", *Manuale di Riabilitazione Neuropsicologica*, Il Mulino ed (2022), 191-208.
5. G. Vallar and **R. Ronchi**, "Unilateral Spatial Neglect", *Encyclopedia of Behavioral Neuroscience* (2022), vol. 2. Elsevier, 605–618. <https://doi.org/10.1016/B978-0-12-819641-0.00144-4>.
6. A. Saj, J. Pierce, **R. Ronchi**, T. Ros, M. Thomasson, T. Bernati, D. Van De Ville, A. Serino, P. Vuilleumier, "Real-time fMRI and EEG neurofeedback : a perspective on applications for the rehabilitation of spatial neglect", *Annals of Physical and Rehabilitation Medicine* (2021), 64(5), 101561. doi: 10.1016/j.rehab.2021.101561.
7. M. Thomasson, D. Benis, A. Saj, P. Voruz, **R. Ronchi**, D. Grandjean, F. Assal, J. Peron, "Sensory contribution to vocal emotion deficit in cerebellar stroke patients", *NeuroImage: Clinical*, 31 (2021), 102690. doi: 10.1016/j.nicl.2021.102690.
8. J. Pierce, **R. Ronchi**, M. Thomasson, I. Rossi, C. Casati, A. Saj, G. Vallar, P. Vuilleumier, "A novel computerized assessment of manual spatial exploration in unilateral spatial neglect", *Neuropsychol Rehabil* (2021), 21, 1-22. doi: 10.1080/09602011.2021.1875850.
9. C. Corradi-Dell'Acqua, **R. Ronchi**, M. Thomasson, T. Bernati, A. Saj, P. Vuilleumier, "Cognitive and affective theory of mind underlie common lesion pattern in temporo-parietal junction, but not in insular and prefrontal cortex", *Cortex* (2020), 128, 218-233. DOI: 10.1016/j.cortex.2020.03.019.
10. **R. Ronchi**, M. Bassolino, D. Viceic, A. Bellmann, P. Vuadens, O. Blanke*, G. Vallar*, "Disownership of body parts as revealed by a visual scale evaluation. An observational study", *Neuropsychologia* (2020), 138, 107337. DOI: 10.1016/j.neuropsychologia.2020.107337.
11. A. Saj, J. Pierce, A. Caroli, M. Thomasson, **R. Ronchi**, P. Vuilleumier, "Rightward exogenous attentional shifts impair perceptual memory of spatial locations in patients with left unilateral spatial neglect", *Cortex* (2020), 122, 187-197. DOI: 10.1016/j.cortex.2019.10.002.
12. P. Fortis, **R. Ronchi**, V. Velardo, E. Calzolari, E. Banco, L. Algeri, M.S. Spada, G. Vallar, "A home-based prism adaptation training for neglect patients", *Cortex* (2020), 122, 61-80. DOI: 10.1016/j.cortex.2018.09.001.
13. G. Vallar and **R. Ronchi**, "Negligenza spaziale unilaterale e altri disordini unilaterali di rappresentazione", *Manuale di Neuropsicologia*, Zanichelli ed, 3rd edition (2019), 577-626.
14. **R. Ronchi**, I. Rossi, E. Calzolari, N. Bolognini, G. Vallar, "Exploring prism exposure after hemispheric damage: reduced aftereffects following left-sided lesions". *Cortex* (2019), 120: 611-628. DOI: 10.1016/j.cortex.2018.10.014.
15. M. Solcà, **R. Ronchi**, J. Bello-Ruiz, T. Schmidlin, B. Herbelin, F. Luthi, M. Konzelmann, J.Y. Beaulieu, F. Delaquaize, A. Schnider, A.G. Guggisberg, A. Serino, O. Blanke. "Heartbeat-enhanced immersive virtual reality to treat complex regional pain syndrome", *Neurology* (2018), 91(5): e479-e489. DOI: 10.1212/WNL.0000000000005905.
16. **R. Ronchi**, H.D. Park, O. Blanke, "Bodily self-consciousness and its disorders", The Parietal lobes. Neurological and neuropsychological deficits, in *Handbook of Clinical Neurology* (2018), 151: 313-330. DOI: 10.1016/B978-0-444-63622-5.00015-2.
17. R. Salomon, **R. Ronchi**, J. Dönnz, J. Bello-Ruiz, B. Herbelin, N. Faivre, K. Schaller, O. Blanke. "Insula mediates heartbeat related effects on visual consciousness", *Cortex* (2018), 101: 87-95. DOI: 10.1016/j.cortex.2018.01.005.
18. **R. Ronchi**, L. Heydrich, A. Serino, O. Blanke, "Illusory body ownership in a patient with personal neglect, but no somatoparaphenia", *Journal of Neuropsychology* (2018), 12(3), 442–462. DOI: 10.1111/jnp.12123.

19. P. Pozeg, E. Paluel, **R. Ronchi**, M. Solca, A. Al Khodairy, A. Kassouha, X. Jordan, O. Blanke, "Virtual reality improves embodiment and neuropathic pain caused by spinal cord injury", *Neurology* (2017), 89: 1894-1903. DOI: 10.1212/WNL.0000000000004585.
20. **R. Ronchi***, F. Bernasconi*, C. Pfeiffer, J. Bello-Ruiz, M. Kaliuzhna, O. Blanke, "Interoceptive signals impact visual processing: cardiac modulation of visual body perception", *NeuroImage* (2017), 158: 176-185. DOI: 10.1016/j.neuroimage.2017.06.064.
21. N.F. Bernardi, M.C. Cioffi, **R. Ronchi**, A. Maravita, E. Bricolo, L. Zigiotta, L. Perucca, G. Vallar, "Improving left spatial neglect through music scale playing", *Journal of Neuropsychology* (2017) DOI: 10.1111/jnp.12078.
22. **R. Ronchi**, L. Algeri, L. Chiapella, M. Gallucci, M.S. Spada, G. Vallar, "Left neglect dyslexia: perseveration and reading error types", *Neuropsychologia* (2016), 89: 453-464. DOI: 10.1016/j.neuropsychologia.2016.07.023.
23. R. Salomon, **R. Ronchi**, J. Dönnz, J. Bello-Ruiz, B. Herbelin, R. Martet, N. Faivre, K. Schaller, O. Blanke, "The insula mediates access to awareness of visual stimuli presented synchronously to the heartbeat", *The Journal of Neuroscience* (2016), 36(18): 5115-5127. DOI: 10.1523/JNEUROSCI.4262-15.2016.
24. **R. Ronchi**, J. Bello-Ruiz, M. Lukowska, B. Herbelin, I. Cabrilo, K. Schaller, O. Blanke, "Right insular damage decreases heartbeat awareness and alters cardio-visual effects on bodily self-consciousness", *Neuropsychologia* (2015), 70: 11-20. DOI: 10.1016/j.neuropsychologia.2015.02.010.
25. **R. Ronchi**, N. Bolognini, M. Gallucci, L. Algeri, L. Chiapella, M.S. Spada, G. Vallar, "(Un)awareness of unilateral spatial neglect. A quantitative evaluation of performance in visuo-spatial tasks", *Cortex* (2014), 61: 167-82. DOI: 10.1016/j.cortex.2014.10.004.
26. N. Bolognini, **R. Ronchi**, C. Casati, P. Fortis and G. Vallar, "My hand is back! Multisensory remission of somatoparaphrenic delusion", *Neurology Clinical Practice* (2014), 4(3): 216-225. DOI: 10.1212/CPJ.0000000000000033.
27. G. Rode, **R. Ronchi**, P. Revol, Y. Rossetti, S. Jacquin-Courtois, G. Vallar, "Hyperschematia after right brain damage: a meaningful entity?", *Frontiers in Human Neuroscience* (2014), 8, 8. DOI: 10.3389/fnhum.2014.00008.
28. **R. Ronchi**, G. Rode, F. Cotton, A. Farnè, Y. Rossetti, S. Jacquin-Courtois, "Remission of anosognosia for right hemiplegia and neglect after caloric vestibular stimulation", *Restorative Neurology and Neuroscience* (2013), 31(1), 19-24. DOI: 10.3233/RNN-120236.
29. P. Fortis, **R. Ronchi**, E. Calzolari, M. Gallucci, G. Vallar, "Exploring the effects of ecological activities during the exposure to optical prisms in healthy individuals", *Frontiers in Human Neuroscience* (2013), 7, 29. DOI: 10.3389/fnhum.2013.00029.
30. C. F. Sambo, G. Vallar, P. Fortis, **R. Ronchi**, L. Posteraro, B. Forster, A. Maravita, "Visual and spatial modulation of tactile extinction: behavioural and electrophysiological evidence", *Frontiers in Human Neuroscience* (2012), 6, 217. DOI: 10.3389/fnhum.2012.00217.
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32. **R. Ronchi**, P. Revol, M. Katayama, Y. Rossetti, A. Farnè, "Seeing your error alters my pointing: observing systematic pointing errors induces sensori-motor after-effects", *PLoS ONE* (2011), 6 (6), e21070. DOI: 10.1371/journal.pone.0021070.
33. P. Fortis, A. Maravita, M. Gallucci, **R. Ronchi**, E. Grassi, I. Senna, E. Olgiati, L. Perucca, E. Banco, L. Posteraro, L. Tesio, G. Vallar, "Rehabilitating patients with left spatial neglect by prism exposure with a visuomotor activity", *Neuropsychology* (2010), 24(6), 681-697. DOI: 10.1037/a0019476.
34. **R. Ronchi** and G. Vallar, "Somatoparaphrénie après lésion droite", *Revue de Neuropsychologie* (2010), 2 (3), 225-230. DOI : 10.3917/rne.023.0225.
35. G. Vallar and **R. Ronchi**, "Somatoparaphrenia: a body delusion. A review of the neuropsychological literature", *Experimental Brain Research* (2009), 192 (3), 533-551. DOI: 10.1007/s00221-008-1562-y.
36. **R. Ronchi**, L. Posteraro, P. Fortis, E. Bricolo, G. Vallar, "Perseveration in left spatial neglect: Drawing and cancellation tasks", *Cortex* (2009), 45 (3), 300-312. DOI: 10.1016/j.cortex.2008.03.012.
37. G. Vallar and **R. Ronchi**, "Anosognosia for motor and sensory deficits after unilateral brain damage: a review", *Restorative Neurology and Neuroscience* (2006), 24 (4-6), 247-257.

MANUSCRIPTS SUBMITTED

- J. Martin, P. Vuilleumier, F. Assal*, **R. Ronchi***, “Neglecting the bottom space: an object-based disorder? A two-case observational study”, *under revision*.
- M. Thomasson, D. Perez-Marcos, S. Herbet, F. Brenet, A. Saj, T. Bernati, A. Serino, T. Tadi, O. Blanke*, **R. Ronchi***, “Clinical validation of an ecological assessment of unilateral spatial neglect using immersive virtual reality”, *under review*.

MANUSCRIPTS IN PREPARATION

- E. Cataldo, E. Tipura, F. Albert, F. Assal, P. Vuilleumier, **R. Ronchi**, “This is not my body: covert disownership in acute stroke patients”.
- E. Tipura, I. Jacot De Alcantara, A. Mantelli, L. Duong, A. Fischer, P. Vuilleumier, **R. Ronchi**, “Modulations of the implicit self-concept by health and illness categories using EEG”.
- **R. Ronchi**, E. Tipura, I. Ozarslan, I. Iturrate, M. Almatò, A. Collignon, I. Jacot de Alcântara, S. Delplanque, P. Vuilleumier, “Anosognosia for unilateral spatial neglect: explicit and implicit knowledge of errors”.
- J. Song, E. Cataldo, M. Thomasson, A. Saj, P. Vuilleumier*, **R. Ronchi***, I. Sani*. “Visuospatial impairments in acute and chronic stroke: insights from voxel and atlas-based lesion-symptom mapping”.

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