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Publications Alexandre Hudon

2025

Besson, P., Gagné, L., Bertulies-Esposito, B., et **Hudon, A.** (2025) Adapting Psychiatric Approaches to the Needs of Vulnerable Populations: A Qualitative Analysis. *European Journal of Investigation in Health, Psychology and Education*. 15 3. [Pubmed](#)

*Malouin-Lachance, A., Capolupo, J., Laplante, C., et **Hudon, A.** (2025) Does the Digital Therapeutic Alliance Exist? Integrative Review. *JMIR Mental Health*. 12: e69294. [Pubmed](#)

Rosca, M.A., La Charité-Harbec, O., Allard, J.-M., Borduas Pagé, S., et **Hudon, A.** (2025) Violence Risk Assessment Tools Used in Forensic and Acute Psychiatry in North America: A Scoping Review. *Psychiatry International*. 6 1: 8. [Abstract](#)

2024

Pellerin, J.-C., Désilets, M., Borduas Pagé, S., et **Hudon, A.** (2024) Factors Considered for the Assessment of Risk in Administrative Review Boards of Canada: A Scoping Review. *Forensic Sciences*. 4. [Abstract](#)

Racine, E., D'Anjou, B., Dallaire, C., Dumez, V., Favron-Godbout, C., **Hudon, A.**, Montreuil, M., Olivier, C., Quintal, A., et Chenel, V. (2024) Developing a living lab in ethics: Initial issues and observations. *Bioethics*. 38 2: 153-163. [Pubmed](#)

Hudon, A., Quilliam, S., Phraxayavong, K., Potvin, S., et Dumais, A. (2024) Exploring Therapeutic Outcomes Through Dyadic Interactions: The Role of Patient-Avatar Dynamics in Avatar Therapy. *American Journal of Psychotherapy*. appipsychotherapy20240016. [Pubmed](#)

Hudon, A., Kiepora, B., Pelletier, M., et Phan, V. (2024) Using ChatGPT in Psychiatry to Design Script Concordance Tests in Undergraduate Medical Education: Mixed Methods Study. *JMIR Medical Education*. 10: e54067. [Pubmed](#)

Hudon, A., Beaudoin, M., Phraxayavong, K., Potvin, S., et Dumais, A. (2024) Exploring the Intersection of Schizophrenia, Machine Learning, and Genomics: Scoping Review. *JMIR Bioinformatics and Biotechnology*. 5: e62752. [Pubmed](#)

Hudon, A. et Beaudoin, M. (2024) Une revue intégrative répertoriant la créativité dans l'utilisation de la santé numérique et de l'intelligence artificielle à l'Institut universitaire en santé mentale de Montréal. *Santé mentale au Québec*. 49 2: 105-125. [Pubmed](#)

Deneault, A., Dumais, A., Desilets, M., et *Hudon, A. (2024) Natural Language Processing and Schizophrenia: A Scoping Review of Uses and Challenges. *Journal of Personalized Medicine*. 14 7. [Abstract](#)

Hudon, A., Phraxayavong, K., Potvin, S., et Dumais, A. (2024) Ensemble Methods to Optimize Automated Text Classification in Avatar Therapy. *BioMedInformatics*. 4 1: 423-436. [Abstract](#)



2023

Hudon, A., Rosca, M.A., La Charité-Harbec, O., Allard, J.-M., et Borduas Pagé, S. (2023) The Use of Alternative Rooms in Forensic and Regular Psychiatric Units: A Scoping Review. *Healthcare*. 11 17: 2432. [Abstract](#)

Hudon, A., Augéard, N., Tansey, C.M., Houston, E., Bostick, G., et Wideman, T.H. (2023) Does feeling pain help prepare future clinicians to treat pain? A qualitative exploration of a novel experiential approach to teaching health professional students about pain. *Physiother Theory Pract*. 1-13. [PubMed](#)

Hudon, A., Aird, M., et La Haye-Caty, N. (2023) Deciphering the Mosaic of Therapeutic Potential: A Scoping Review of Neural Network Applications in Psychotherapy Enhancements. *BioMedInformatics*. 3 4: 1101-1111. [Abstract](#)

***Hudon, A.,** Phraxayavong, K., Potvin, S., et Dumais, A. (2023) Comparing the Performance of Machine Learning Algorithms in the Automatic Classification of Psychotherapeutic Interactions in Avatar Therapy. *Machine Learning and Knowledge Extraction*. 5 3: 1119-1131. [Abstract](#)

***Hudon, A.,** Lammateo, V., Rodrigues-Coutlée, S., *Dellazizzo, L., Giguère, S., Phraxayavong, K., Potvin, S., et Dumais, A. (2023) Exploration of the role of emotional expression of treatment-resistant schizophrenia patients having followed virtual reality therapy: a content analysis. *BMC Psychiatry*. 23 1: 420. [PubMed](#)

***Hudon, A.,** *Dellazizzo, L., Phraxayavong, K., Potvin, S., et Dumais, A. (2023) Association Between Cannabis and Violence in Community-Dwelling Patients With Severe Mental Disorders: A Cross-sectional Study Using Machine Learning. *Journal of Nervous and Mental Disease*. 211 2: 88-94. [PubMed](#)

***Hudon, A.,** *Couture, J., *Dellazizzo, L., *Beaudoin, M., Phraxayavong, K., Potvin, S., et Dumais, A. (2023) Dyadic Interactions of Treatment-Resistant Schizophrenia Patients Having Followed Virtual Reality Therapy: A Content Analysis. *Journal of Clinical Medicine*. 12 6. [PubMed](#)

***Hudon, A.,** *Beaudoin, M., Phraxayavong, K., Potvin, S., et Dumais, A. (2023) Unsupervised Machine Learning Driven Analysis of Verbatims of Treatment-Resistant Schizophrenia Patients Having Followed Avatar Therapy. *Journal of Personalized Medicine* 13 5. [PubMed](#)

***Hudon, A.,** *Beaudoin, M., Phraxayavong, K., Potvin, S., et Dumais, A. (2023) Enhancing Predictive Power: Integrating a Linear Support Vector Classifier with Logistic Regression for Patient Outcome Prognosis in Virtual Reality Therapy for Treatment-Resistant Schizophrenia. *Journal of Personalized Medicine*. 13 12. [PubMed](#)

2022

Hudon, A. et Proulx, S. (2022) Topiramate-Induced Suicidal Ideation and Olfactory Hallucinations: A Case Report. *Reports*. 5 2: 13. [Abstract](#)

Tisseyre, M., **Hudon, A.,** Giguère, C.E., Vallières, A., Bastien, C., Berube, F.A., et Cailhol, L. (2022) Insomnie et risque suicidaire dans les troubles de la personnalité du groupe B : une étude comparative transversale. *Santé Mentale Québec*. 47 2: 113-139. [PubMed](#)

Hudon, A. et Proulx, S. (2022) Topiramate-Induced Suicidal Ideation and Olfactory Hallucinations: A Case Report. *Reports*. 5 2: 13. [Abstract](#)



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Hudon, A., Leveille, N., Sanchez-Schicharew, K., Dellazizzo, L., Phraxayavong, K., et Dumais, A. (2022) The impacts of the COVID-19 pandemic on treatment-resistant schizophrenia patients having followed virtual reality therapy or cognitive behavioural therapy: a content analysis. *Ann Med.* 54 1: 2477-2485. [Pubmed](#)

Hudon, A., Gaudreau-Menard, C., Bouchard-Boivin, M., Godin, F., et Cailhol, L. (2022) The Use of Computer-Driven Technologies in the Treatment of Borderline Personality Disorder: A Systematic Review. *J Clin Med.* 11 13. [Pubmed](#)

Hudon, A., Beaudoin, M., Phraxayavong, K., Dellazizzo, L., Potvin, S., et Dumais, A. (2022) Implementation of a machine learning algorithm for automated thematic annotations in avatar: A linear support vector classifier approach. *Health Informatics J.* 28 4: 14604582221142442. [Abstract](#)

Beaudoin, M., **Hudon, A.**, Giguere, C.E., Potvin, S., et Dumais, A. (2022) Prediction of quality of life in schizophrenia using machine learning models on data from Clinical Antipsychotic Trials of Intervention Effectiveness (CATIE) schizophrenia trial. *Schizophrenia (Heidelb).* 8 1: 29. [Pubmed](#)

2021

Hudon, A., Beaudoin, M., Phraxayavong, K., Dellazizzo, L., Potvin, S., et Dumais, A. (2021) Use of Automated Thematic Annotations for Small Data Sets in a Psychotherapeutic Context: Systematic Review of Machine Learning Algorithms. *JMIR Ment Health.* 8 10: e22651. [Pubmed](#)

2019

Meierer, K., **Hudon, A.**, Sznajder, M., Leduc, M.F., Taddeo, D., Jamouille, O., Frappier, J.Y., et Stheneur, C. (2019) Anorexia nervosa in adolescents: evolution of weight history and impact of excess premorbid weight. *Eur J Pediatr.* 178 2: 213-219. [Pubmed](#)