

Can virtual and augmented realities be used in dental care of psychiatric patients? Evidence from a literature review and bibliometric analysis

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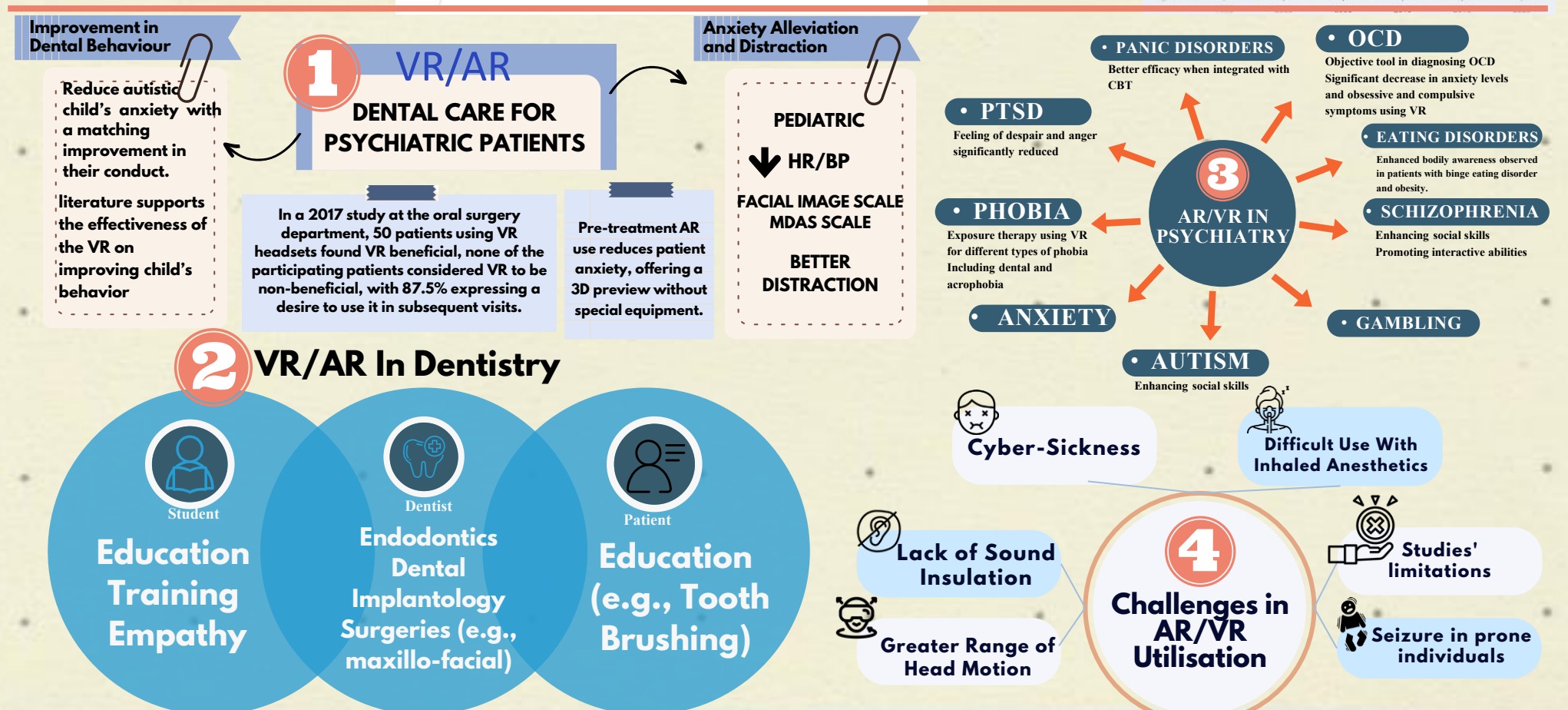
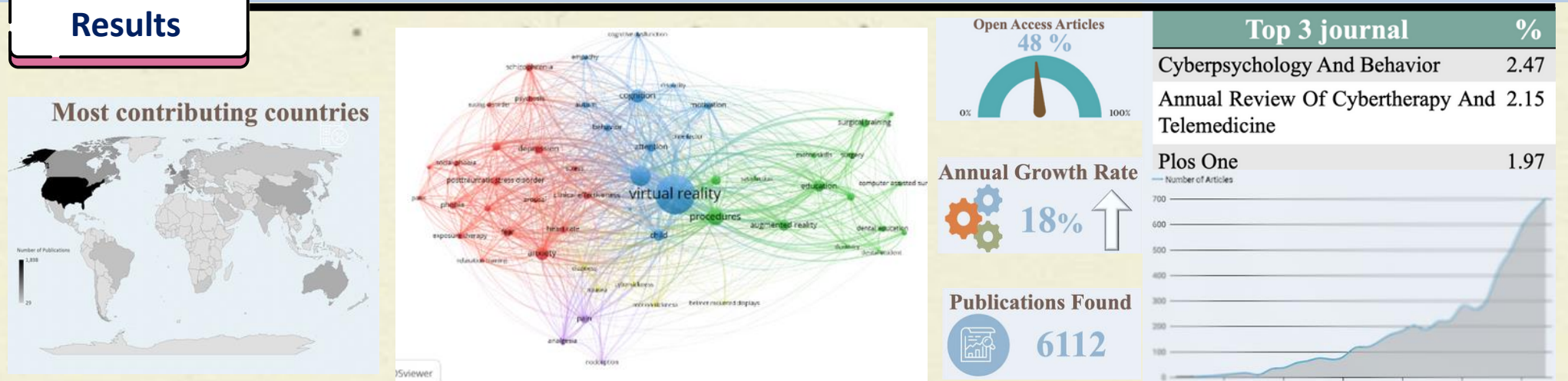
Introduction & Aims

- Both virtual reality (VR) and augmented reality (AR) have the potential to be used in a variety of medical applications, ranging from teaching and training to diagnosing and treating patients.
- Psychiatric patients often require specialized dental care due to the high levels of anxiety they may experience, potentially leading to agitated behavior during dental procedures.
- We aimed to critically review the literature and use bibliometric analysis to track the trends of VR and AR in dentistry and psychiatry and assess their efficacy in meeting the unique needs of psychiatric patients during dental care.

Methodology

- Search Methodology**
 - Scopus search engine was used to identify published articles related to VR and AR use in providing dental care to psychiatric patients from inception to June 2023.
- Bibliometric analysis**
 - Bibliometric measures were determined using Excel and VOS viewer.
 - VR and AR implementation were examined in both fields of dentistry and psychiatry, with their respective advantages and challenges in providing dental care for psychiatric patients.

Results



Conclusion

- VR and AR have potential benefits in improving dental treatment for psychiatric patients.
- Further studies are required to address the limitations and establish stronger evidence for its applicability and cost-effectiveness.

References

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