

Table S2: Search Strategy

REQUESTS AND NUMBERS

PUBMED

("Virtual Reality Exposure Therapy"[Mesh] OR "Avatar"[Mesh] OR "Augmented Reality"[Mesh] OR "virtual reality exposure"[TIAB:~3] OR "virtual reality therapy"[TIAB:~3] OR "virtual reality therapies"[TIAB:~3] OR "virtual reality psychotherapy"[TIAB:~3] OR "virtual reality psychotherapies"[TIAB:~3] OR "virtual reality environment"[TIAB:~3] OR "virtual reality environments"[TIAB:~3] OR "virtual reality rehabilitation"[TIAB:~3] OR "virtual reality intervention"[TIAB:~3] OR "virtual reality interventions"[TIAB:~3] OR "virtual reality treatment"[TIAB:~3] OR "virtual reality treatments"[TIAB:~3] OR "vr exposure"[TIAB:~3] OR "vr therapy"[TIAB:~3] OR "vr therapies"[TIAB:~3] OR "vr psychotherapy"[TIAB:~3] OR "vr psychotherapies"[TIAB:~3] OR "vr environment"[TIAB:~3] OR "vr environments"[TIAB:~3] OR "vr rehabilitation"[TIAB:~3] OR "vr intervention"[TIAB:~3] OR "vr interventions"[TIAB:~3] OR "vr treatment"[TIAB:~3] OR "vr treatments"[TIAB:~3] OR VRET[TIAB] OR "avatar therapy"[TIAB:~3] OR "avatars therapy"[TIAB:~3] OR "avatar therapies"[TIAB:~3] OR "avatars therapies"[TIAB:~3] OR "avatar psychotherapy"[TIAB:~3] OR "avatars psychotherapy"[TIAB:~3] OR "avatar psychotherapies"[TIAB:~3] OR "avatars psychotherapies"[TIAB:~3] OR "avatar rehabilitation"[TIAB:~3] OR "avatars rehabilitation"[TIAB:~3] OR "avatar intervention"[TIAB:~3] OR "avatars intervention"[TIAB:~3] OR "avatar interventions"[TIAB:~3] OR "avatars interventions"[TIAB:~3] OR "avatar treatment"[TIAB:~3] OR "avatar treatments"[TIAB:~3] OR "avatars treatment"[TIAB:~3] OR "avatars treatments"[TIAB:~3] OR "computer-simulated exposure"[TIAB:~3] OR "computer-simulated therapy"[TIAB:~3] OR "computer-simulated therapies"[TIAB:~3] OR "computer-simulated psychotherapy"[TIAB:~3] OR "computer-simulated psychotherapies"[TIAB:~3] OR "computer-simulated environment"[TIAB:~3] OR "computer-simulated environments"[TIAB:~3] OR "computer-simulated rehabilitation"[TIAB:~3] OR "computer-simulated intervention"[TIAB:~3] OR "computer-simulated interventions"[TIAB:~3] OR "computer-simulated treatment"[TIAB:~3] OR "computer-simulated treatments"[TIAB:~3] OR "augmented reality exposure"[TIAB:~3] OR "augmented reality therapy"[TIAB:~3] OR "augmented reality therapies"[TIAB:~3] OR "augmented reality psychotherapy"[TIAB:~3] OR "augmented reality psychotherapies"[TIAB:~3] OR "augmented reality environment"[TIAB:~3] OR "augmented reality environments"[TIAB:~3] OR "augmented reality rehabilitation"[TIAB:~3] OR "augmented reality intervention"[TIAB:~3] OR "augmented reality interventions"[TIAB:~3] OR "augmented reality treatment"[TIAB:~3] OR "augmented reality treatments"[TIAB:~3] OR "computer-generated exposure"[TIAB:~3] OR "computer-generated therapy"[TIAB:~3] OR "computer-generated therapies"[TIAB:~3] OR "computer-generated psychotherapy"[TIAB:~3] OR "computer-generated psychotherapies"[TIAB:~3] OR "computer-generated environment"[TIAB:~3] OR "computer-generated environments"[TIAB:~3]

OR "computer-generated rehabilitation"[TIAB:~3] OR "computer-generated intervention"[TIAB:~3] OR "computer-generated interventions"[TIAB:~3] OR "computer-generated treatment"[TIAB:~3] OR "computer-generated treatments"[TIAB:~3] OR "immersive digital exposure"[TIAB:~3] OR "immersive digital therapy"[TIAB:~3] OR "immersive digital therapies"[TIAB:~3] OR "immersive digital psychotherapy"[TIAB:~3] OR "immersive digital psychotherapies"[TIAB:~3] OR "immersive digital environment"[TIAB:~3] OR "immersive digital environments"[TIAB:~3] OR "immersive digital rehabilitation"[TIAB:~3] OR "immersive digital intervention"[TIAB:~3] OR "immersive digital interventions"[TIAB:~3] OR "immersive digital treatment"[TIAB:~3] OR "immersive digital treatments"[TIAB:~3] OR "synthetic reality exposure"[TIAB:~3] OR "synthetic reality therapy"[TIAB:~3] OR "synthetic reality therapies"[TIAB:~3] OR "synthetic reality psychotherapy"[TIAB:~3] OR "synthetic reality psychotherapies"[TIAB:~3] OR "synthetic reality environment"[TIAB:~3] OR "synthetic reality environments"[TIAB:~3] OR "synthetic reality rehabilitation"[TIAB:~3] OR "synthetic reality intervention"[TIAB:~3] OR "synthetic reality interventions"[TIAB:~3] OR "synthetic reality treatment"[TIAB:~3] OR "synthetic reality treatments"[TIAB:~3]) AND ("Biofeedback, Psychology"[Mesh] OR "Feedback, Physiological"[Mesh] OR "Biosensing Techniques"[Mesh:NoExp] OR "Arousal"[Mesh] OR "Heart Rate"[Mesh] OR "Galvanic Skin Response"[Mesh] OR "Body Temperature"[Mesh] OR "Respiratory Rate"[Mesh] OR "Electroencephalography"[Mesh] OR biofeedback*[TIAB] OR neurofeedback*[TIAB] OR arousal[TIAB] OR "emotional measure"[TIAB] OR "emotion measure"[TIAB] OR valence[TIAB] OR biosignal*[TIAB] OR biosensing[TIAB] OR "physiological measure"[TIAB:~3] OR "physiological measures"[TIAB:~3] OR "physiological reactivity"[TIAB:~3] OR "physiological factor"[TIAB:~3] OR "physiological factors"[TIAB:~3] OR "physiological change"[TIAB:~3] OR "physiological changes"[TIAB:~3] OR "physiological indice"[TIAB:~3] OR "physiological indices"[TIAB:~3] OR "physiological feedback"[TIAB:~3] OR "physiological feedbacks"[TIAB:~3] OR "physiological response"[TIAB:~3] OR "physiological responses"[TIAB:~3] OR "physiological signal"[TIAB:~3] OR "physiological signals"[TIAB:~3] OR "physiologic measure"[TIAB:~3] OR "physiologic measures"[TIAB:~3] OR "physiologic reactivity"[TIAB:~3] OR "physiologic factor"[TIAB:~3] OR "physiologic factors"[TIAB:~3] OR "physiologic change"[TIAB:~3] OR "physiologic changes"[TIAB:~3] OR "physiologic indice"[TIAB:~3] OR "physiologic indices"[TIAB:~3] OR "physiologic feedback"[TIAB:~3] OR "physiologic feedbacks"[TIAB:~3] OR "physiologic response"[TIAB:~3] OR "physiologic responses"[TIAB:~3] OR "physiologic signal"[TIAB:~3] OR "physiologic signals"[TIAB:~3] OR "heart rate"[TIAB] OR "cardiac rate"[TIAB] OR tactile[TIAB] OR "galvanic skin"[TIAB] OR "skin conductance"[TIAB] OR "respiratory rate"[TIAB] OR respiration[TIAB] OR breathing[TIAB] OR "body temperature"[TIAB] OR electroencephalography[TIAB] OR electro-encephalography[TIAB] OR EEG[TIAB])) AND ("Mental Disorders"[Mesh] OR "Psychiatry"[Mesh] OR mental[TIAB] OR mentally[TIAB] OR psychiatry[TIAB] OR psychiatric[TIAB] OR psychological[TIAB] OR anxiety[TIAB] OR panic[TIAB] OR phobia*[TIAB] OR agoraphobia*[TIAB] OR

depression[TIAB] OR mood[TIAB] OR affective[TIAB] OR bipolar[TIAB] OR psychosis[TIAB]
OR psychotic[TIAB] OR schizo*[TIAB] OR "personality disorder*" [TIAB])

Filtres : English, French

= 462 results (April 22, 2024)

MEDLINE

1. Virtual Reality Exposure Therapy/ or avatar/ or augmented reality/
2. (((virtual reality or VR or Avatar* or "Computer-simulated" or "Agmented reality" or "Computer-generated" or "Immersive digital" or "Synthetic reality") adj3 (exposure or therapy or therapies or psychotherapy or psychotherapies or environment* or rehabilitation or intervention* or treatment*)) or VRET).ab. or (((virtual reality or VR or Avatar* or "Computer-simulated" or "Agmented reality" or "Computer-generated" or "Immersive digital" or "Synthetic reality") adj3 (exposure or therapy or therapies or psychotherapy or psychotherapies or environment* or rehabilitation or intervention* or treatment*)) or VRET).ti.
3. 1 or 2
4. exp Biofeedback, Psychology/
5. exp Feedback, Physiological/
6. Biosensing Techniques/
7. exp Arousal/
8. Heart Rate/
9. Galvanic Skin Response/
10. body temperature/ or respiratory rate/
11. exp Electroencephalography/
12. (biofeedback* or neurofeedback* or arousal or "emotional measure*" or "emotion measure*" or valence or biosignal* or biosensing or (Psychologic* adj3 (measure* or reactivity or factor* or change* or indice* or feedback* or response* or signal or signals)) or "heart rate" or "cardiac rate" or tactile or "galvanic skin" or "skin conductance" or "respiratory rate" or respiration or breathing or "body temperature" or electroencephalography or electroencephalography or EEG).ab. or (biofeedback* or neurofeedback* or arousal or "emotional measure*" or "emotion measure*" or valence or biosignal* or biosensing or (Psychologic* adj3 (measure* or reactivity or factor* or change* or indice* or feedback* or response* or signal or signals)) or "heart rate" or "cardiac rate" or tactile or "galvanic skin" or "skin conductance" or "respiratory rate" or respiration or breathing or "body temperature" or electroencephalography or electro-encephalography or EEG).ti.
13. 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12
14. exp Mental Disorders/
15. exp Psychiatry/

16. (Mental or mentally or psychiatry or psychiatric or psychological or anxiety or panic or phobia* or agoraphobia* or depression or mood or affective or bipolar or psychosis or psychotic or schizo* or "personality disorder*").ab. or (Mental or mentally or psychiatry or psychiatric or psychological or anxiety or panic or phobia* or agoraphobia* or depression or mood or affective or bipolar or psychosis or psychotic or schizo* or "personality disorder*").ti.

17. 14 or 15 or 16

18. 3 and 13 and 17

19. limit 18 to (english or french)

= 333 results (April 22, 2024)

EMBASE

1. virtual reality exposure therapy/ or augmented reality/
2. (((virtual reality or VR or Avatar* or "Computer-simulated" or "Agmented reality" or "Computer-generated" or "Immersive digital" or "Synthetic reality") adj3 (exposure or therapy or therapies or psychotherapy or psychotherapies or environment* or rehabilitation or intervention* or treatment*)) or VRET).ab. or (((virtual reality or VR or Avatar* or "Computer-simulated" or "Agmented reality" or "Computer-generated" or "Immersive digital" or "Synthetic reality") adj3 (exposure or therapy or therapies or psychotherapy or psychotherapies or environment* or rehabilitation or intervention* or treatment*)) or VRET).ti.
3. 1 or 2
4. exp biofeedback/
5. exp "valence (emotion)"/
6. physiological feedback/
7. genetic procedures/
8. arousal/
9. heart rate/ or heart rate variability/
10. electrodermal response/
11. body temperature/
12. breathing rate/
13. exp electroencephalography/
14. (biofeedback* or neurofeedback* or arousal or "emotional measure*" or "emotion measure*" or valence or biosignal* or biosensing or (Psychologic* adj3 (measure* or reactivity or factor* or change* or indice* or feedback* or response* or signal or signals)) or "heart rate" or "cardiac rate" or tactile or "galvanic skin" or "skin conductance" or "respiratory rate" or respiration or breathing or "body temperature" or electroencephalography or electroencephalography or EEG).ti. or (biofeedback* or neurofeedback* or arousal or "emotional measure*" or "emotion measure*" or valence or biosignal* or biosensing or (Psychologic* adj3 (measure* or reactivity or factor* or change* or indice* or feedback* or response* or signal or signals)) or "heart rate" or "cardiac rate" or tactile or "galvanic skin" or "skin conductance" or "respiratory rate" or respiration or breathing or "body temperature" or electroencephalography or electro-encephalography or EEG).ab.
15. 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14

16. exp mental disease/
17. exp psychiatry/
18. (Mental or mentally or psychiatry or psychiatric or psychological or anxiety or panic or phobia* or agoraphobia* or depression or mood or affective or bipolar or psychosis or psychotic or schizo* or "personality disorder*").ti. or (Mental or mentally or psychiatry or psychiatric or psychological or anxiety or panic or phobia* or agoraphobia* or depression or mood or affective or bipolar or psychosis or psychotic or schizo* or "personality disorder*").ab.
19. 16 or 17 or 18
20. 3 and 15 and 19
21. limit 20 to ((english or french) and (article or article in press or books or chapter or "review"))

= 450 results (April 22, 2024)

EBM Reviews – Cochrane Database of Systematic Reviews

1. (((virtual reality or VR or Avatar* or "Computer-simulated" or "Augmented reality" or "Computer-generated" or "Immersive digital" or "Synthetic reality") adj3 (exposure or therapy or therapies or psychotherapy or psychotherapies or environment* or rehabilitation or intervention* or treatment*)) or VRET).ab. or (((virtual reality or VR or Avatar* or "Computer-simulated" or "Augmented reality" or "Computer-generated" or "Immersive digital" or "Synthetic reality") adj3 (exposure or therapy or therapies or psychotherapy or psychotherapies or environment* or rehabilitation or intervention* or treatment*)) or VRET).ti.
2. (biofeedback* or neurofeedback* or arousal or "emotional measure*" or "emotion measure*" or valence or biosignal* or biosensing or (Psychologic* adj3 (measure* or reactivity or factor* or change* or indice* or feedback* or response* or signal or signals)) or "heart rate" or "cardiac rate" or tactile or "galvanic skin" or "skin conductance" or "respiratory rate" or respiration or breathing or "body temperature" or electroencephalography or electro-encephalography or EEG).ab. or (biofeedback* or neurofeedback* or arousal or "emotional measure*" or "emotion measure*" or valence or biosignal* or biosensing or (Psychologic* adj3 (measure* or reactivity or factor* or change* or indice* or feedback* or response* or signal or signals)) or "heart rate" or "cardiac rate" or tactile or "galvanic skin" or "skin conductance" or "respiratory rate" or respiration or breathing or "body temperature" or electroencephalography or electro-encephalography or EEG).ti.
3. (Mental or mentally or psychiatry or psychiatric or psychological or anxiety or panic or phobia* or agoraphobia* or depression or mood or affective or bipolar or psychosis or psychotic or schizo* or "personality disorder*").ab. or (Mental or mentally or psychiatry or psychiatric or psychological or anxiety or panic or phobia* or agoraphobia* or depression or mood or affective or bipolar or psychosis or psychotic or schizo* or "personality disorder*").ti.
4. 1 and 2 and 3

= 1 results (April 22, 2024)

PsycINFO

1. virtual reality exposure therapy/ or avatars/ or augmented reality/
2. (((virtual reality or VR or Avatar* or "Computer-simulated" or "Agmented reality" or "Computer-generated" or "Immersive digital" or "Synthetic reality") adj3 (exposure or therapy or therapies or psychotherapy or psychotherapies or environment* or rehabilitation or intervention* or treatment*)) or VRET).ab. or (((virtual reality or VR or Avatar* or "Computer-simulated" or "Agmented reality" or "Computer-generated" or "Immersive digital" or "Synthetic reality") adj3 (exposure or therapy or therapies or psychotherapy or psychotherapies or environment* or rehabilitation or intervention* or treatment*)) or VRET).ti.
3. 1 or 2
4. biofeedback/
5. Affective Valence/
6. physiological arousal/ or cardiovascular reactivity/
7. exp heart rate/
8. galvanic skin response/
9. exp body temperature/
10. respiration/
11. electroencephalography/
12. (biofeedback* or neurofeedback* or arousal or "emotional measure*" or "emotion measure*" or valence or biosignal* or biosensing or (Psychologic* adj3 (measure* or reactivity or factor* or change* or indice* or feedback* or response* or signal or signals)) or "heart rate" or "cardiac rate" or tactile or "galvanic skin" or "skin conductance" or "respiratory rate" or respiration or breathing or "body temperature" or electroencephalography or electroencephalography or EEG).ti. or (biofeedback* or neurofeedback* or arousal or "emotional measure*" or "emotion measure*" or valence or biosignal* or biosensing or (Psychologic* adj3 (measure* or reactivity or factor* or change* or indice* or feedback* or response* or signal or signals)) or "heart rate" or "cardiac rate" or tactile or "galvanic skin" or "skin conductance" or "respiratory rate" or respiration or breathing or "body temperature" or electroencephalography or electro-encephalography or EEG).ab.
13. 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12
14. exp Mental Disorders/
15. exp psychiatry/

16. (Mental or mentally or psychiatry or psychiatric or psychological or anxiety or panic or phobia* or agoraphobia* or depression or mood or affective or bipolar or psychosis or psychotic or schizo* or "personality disorder*").ti. or (Mental or mentally or psychiatry or psychiatric or psychological or anxiety or panic or phobia* or agoraphobia* or depression or mood or affective or bipolar or psychosis or psychotic or schizo* or "personality disorder*").ab.
17. 14 or 15 or 16
18. 3 and 13 and 17
19. limit 18 to (("0100 journal" or "0110 peer-reviewed journal" or "0120 non-peer-reviewed journal" or "0130 peer-reviewed status unknown" or "0200 book" or "0240 authored book" or "0280 edited book" or "0400 dissertation abstract") and (english or french))

= 275 results (April 22, 2024)

Total results: 1521

Number of duplicates: 777

GRAND TOTAL : 744