SUPPLEMENTARY FIGURES

Group by Comparisons	Study name	Std diff in means	Standard error	Variance	Lower limit	Upper limit	Z-Value	p-Value
VR + CT vs CT	Fuchs, L et al 2022	-0.266	0.272	0.074	-0.799	0.267	-0.978	0.328
VR + CT vs CT	Jin, C et al 2018	-0.808	0.256	0.066	-1.310	-0.306	-3.156	0.002
VR + CT vs CT	Li, G et al 2018	-0.671	0.234	0.055	-1.130	-0.212	-2.866	0.004
VR + CT vs CT	Pooled	-0.598	0.151	0.023	-0.894	-0.302	-3.955	0.000
VR vs CT	Bettger, JP et al 2020	-0.043	0.118	0.014	-0.275	0.188	-0.365	0.715
VR vs CT	Fung, V et al 2012	-0.261	0.285	0.081	-0.820	0.297	-0.916	0.359
VR vs CT	Gianola, S et al 2020	-0.361	0.235	0.055	-0.821	0.099	-1.537	0.124
VR vs CT	Piqueras, M et al 2013	-0.295	0.169	0.028	-0.626	0.036	-1.748	0.080
VR vs CT	Pournajaf, S et al 2022	-0.564	0.273	0.074	-1.098	-0.029	-2.067	0.039
VR vs CT	Pooled	-0.220	0.089	0.008	-0.395	-0.044	-2.454	0.014

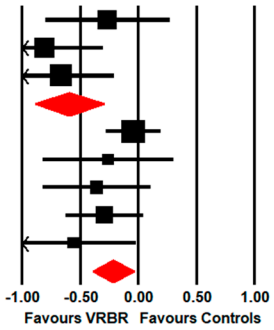


Figure S1. Forest plot of the immediate effect of VRBR on pain according specific comparisons.

	Study name	Std diff in means	Standard error	Variance	Lower limit	Upper limit	Z-Value	p-Value
VR + CT vs CT	Li, G et al 2018	-0.238	0.394	0.155	-1.010	0.534	-0.605	0.545
VR + CT vs CT	Yoon, S et al 2020	-0.731	0.344	0.119	-1.406	-0.056	-2.123	0.034
VR + CT vs CT	Pooled	-0.518	0.259	0.067	-1.026	-0.010	-1.997	0.046
VR vs CT	Fung, V et al 2012	-0.339	0.286	0.082	-0.899	0.221	-1.186	0.236
VR vs CT	Gianola, S et al 2020	-0.851	0.243	0.059	-1.327	-0.374	-3.499	0.000
VR vs CT	Pooled	-0.636	0.185	0.034	-0.999	-0.273	-3.433	0.001

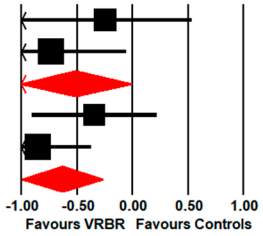


Figure S2. Forest plot of the immediate effect of VRBR on knee function according specific comparisons.

	Study name	Std diff in means	Standard error	Variance	Lower limit	Upper limit	Z-Value	p-Value
Immersive	Li, G et al 2018	-0.238	0.394	0.155	-1.010	0.534	-0.605	0.545
Immersive	Yoon, S et al 2020	-0.731	0.344	0.119	-1.406	-0.056	-2.123	0.034
Immersive	Pooled	-0.518	0.259	0.067	-1.026	-0.010	-1.997	0.046
Non-immersive	Eichler, S et al 2019	-0.327	0.217	0.047	-0.753	0.098	-1.509	0.131
Non-immersive	Fung, V et al 2012	-0.339	0.286	0.082	-0.899	0.221	-1.186	0.236
Non-immersive	Gianola, S et al 2020	-0.851	0.243	0.059	-1.327	-0.374	-3.499	0.000
Non-immersive	Pooled	-0.506	0.141	0.020	-0.782	-0.230	-3.591	0.000

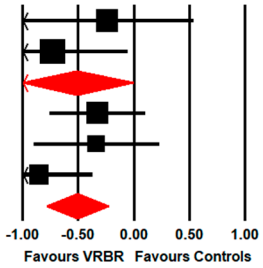


Figure S3. Forest plot of the immediate effect of VRBR on knee function according specific modality of VRBR.

SUPPLEMENTARY FIGURES

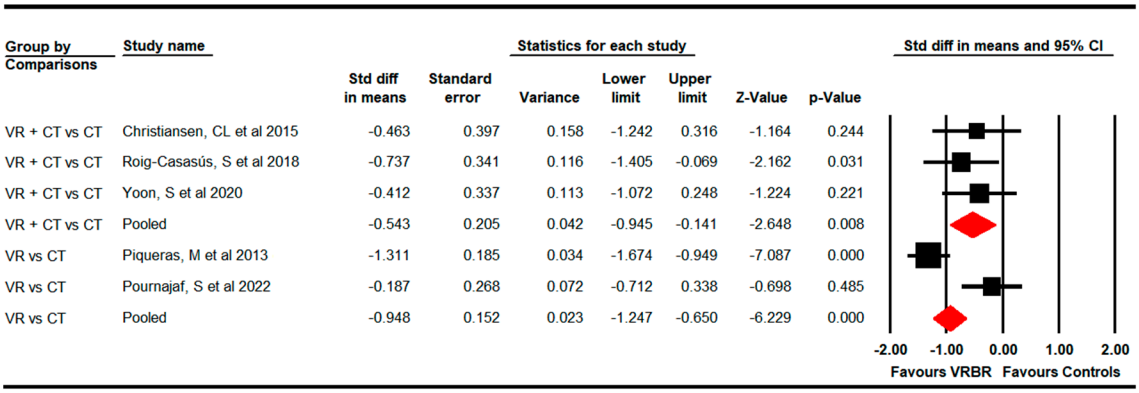


Figure S4. Forest plot of the immediate effect of VRBR on dynamic balance according specific modality of VRBR.

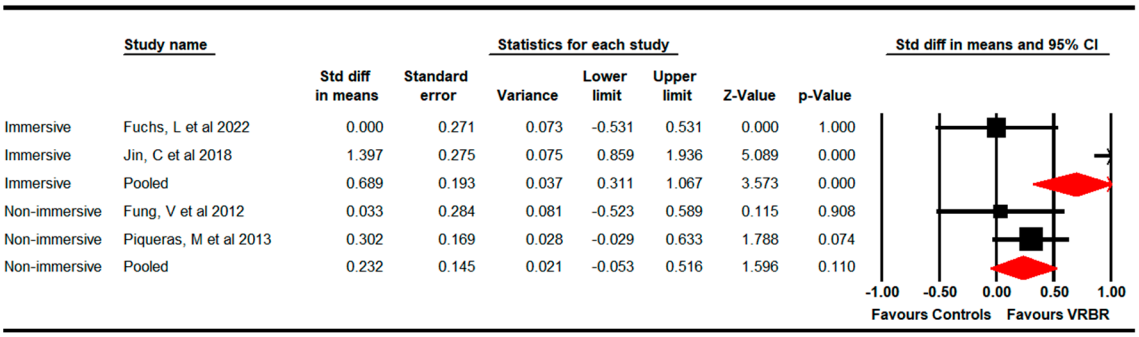


Figure S5. Forest plot of the immediate effect of VRBR on knee flexion range of motion according specific modality of VRBR.