

## Joanna Briggs Institute Critical Appraisal Checklist and risk of bias

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### ***Joanna Briggs Institute critical appraisal checklist for quasi-experimental studies; quality and risk of bias of included studies***

*Legend: JBI: Joanna Briggs Institute; NA Not applicable; \* Observational study without a control group; 2.d^ Retrospective control group study*

Question (yes, no, unclear)	Study; JBI Level of evidence										
	Baxter et al, 2019;	Haines et al, 2016;	Halevi-Katz, 2019;	Kramer et al, 2017;	Marcinow et al, 2015;	Murry et al, 2010;	Nacci et al, 2011;	Olley et al, 2013;	Pargeter & Mansur, 2016;	Sandes et al, 2019;	Shin et al, 2018;
	Level 3.e*	Level 3.e*	Level 3.e*	Level 2.d^	Level 3.e*	Level 3.e*	Level 3.e*	Level 3.e*	Level 3.e*	Level 3.e*	Level 3.e*
Clear cause & effect	YES	YES	YES	UNCLEAR	YES	YES	YES	YES	YES	YES	YES
Participants included in any comparisons similar	YES	YES	YES	UNCLEAR	YES	YES	YES	YES	YES	YES	YES
Participants included in any comparisons received similar care	NA	NA	NA	UNCLEAR	NA	NA	UNCLEAR	NA	NA	NA	NA
Control group	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO

Multiple measures of outcome, both pre/post intervention	NO	NO	YES	NO	NO	NO	YES	NO	NO	UNCLEAR	UNCLEAR
Complete follow up, any differences described & analysed	NA	NA	NA	NO	NA	NA	YES	NA	NA	NA	NA
Outcomes of participants recorded in same way	NA	NA	NA	YES	NA	NA	YES	NA	NA	NA	NA
Outcomes reliably measured	UNCLEAR	UNCLEAR	UNCLEAR	NO	NO	NO	NO	UNCLEAR	UNCLEAR	UNCLEAR	UNCLEAR
Appropriate statistical analysis used	NO	YES	YES	YES	NO	UNCLEAR	YES	NO	UNCLEAR	UNCLEAR	UNCLEAR
<b>TOTAL</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>6</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>

**Joanna Briggs Institute critical appraisal checklist for case reports; quality and risk of bias of included studies***Legend: JBI: Joanna Briggs Institute; NA Not applicable; 4.d<sup>x</sup> Case report***Study; JBI Level of evidence**

	Hatzelis et al, 2012; Level 4.d <sup>x</sup>	Mathers-Schmidt & Brilla, 2005; Level 4.d <sup>x</sup>	Pinho et al, 1997; Level 4.d <sup>x</sup>	Warnes et al, 2005; Level 4.d <sup>x</sup>
Participant characteristics clearly described	NO	NO	NO	NO
Clear history presented as a timeline	YES	NO	YES	NO
Current clinical condition on presentation clearly described	YES	NO	YES	NO
Diagnostic tests/assessment methods clearly described	YES	YES	YES	NO
Intervention clearly described	YES	YES	YES	YES
Post-interventional clinical condition clearly described	YES	YES	YES	YES
Adverse/unanticipated events identified and described	NO	NO	YES	NO
Take-away lessons provided	YES	YES	YES	YES
<b>TOTAL</b>	<b>6</b>	<b>3</b>	<b>7</b>	<b>3</b>

**Question (yes, no, unclear)**