

## CHECKLIST FOR ARTICLE REVIEW

Reported	Not App.	<b>REPORTING DETAIL – METHODS SECTION</b>	Comments
<input type="checkbox"/>	<input type="checkbox"/>	A clear description of the study design	
<input type="checkbox"/>	<input type="checkbox"/>	The number and practice type of institutions where cases were performed	
<input type="checkbox"/>	<input type="checkbox"/>	Number of surgeons who actually operated in study	
<input type="checkbox"/>	<input type="checkbox"/>	The precise timeline during which patients were treated	
<input type="checkbox"/>	<input type="checkbox"/>	A clear description of how patients were selected into study	
<input type="checkbox"/>	<input type="checkbox"/>	The number of eligible patients at the study sites excluded during the study	
<input type="checkbox"/>	<input type="checkbox"/>	A clear description of the study population	
<input type="checkbox"/>	<input type="checkbox"/>	A clear description of the relevant diagnostic criteria used to identify cases	
<input type="checkbox"/>	<input type="checkbox"/>	A clear description of critical aspects of operative technique and peri-operative care	
<input type="checkbox"/>	<input type="checkbox"/>	Statement as to whether any attempts were made to standardize operative technique or peri-operative care	
		<b>RESULTS</b>	
<input type="checkbox"/>	<input type="checkbox"/>	Appropriate measures of central tendency and variability (ie. Median or mean and SE) of all relevant demographic and baseline variables	
<input type="checkbox"/>	<input type="checkbox"/>	Range and median for length of follow-up reporting	
<input type="checkbox"/>	<input type="checkbox"/>	Relevant outcome variables are presented with appropriate measures of range and variability	
<input type="checkbox"/>	<input type="checkbox"/>	Methods for measuring outcomes of interest are clearly described	
<input type="checkbox"/>	<input type="checkbox"/>	Statement is made whether any data is missing (and how missing data is addressed)	
<input type="checkbox"/>	<input type="checkbox"/>	Number and appropriate details regarding all complications	
		<b>IF MORE THAN ONE TREATMENT GROUP</b>	
<input type="checkbox"/>	<input type="checkbox"/>	Appropriate measures of central tendency and variability (ie. Median or mean and SE) of all relevant demographic and baseline variables	
<input type="checkbox"/>	<input type="checkbox"/>	The range and median for length of follow-up reporting for each treatment group	
<input type="checkbox"/>	<input type="checkbox"/>	A precise timeline during which all patients were treated for each group	
<input type="checkbox"/>	<input type="checkbox"/>	Outcome variables being compared between groups are presented with appropriate measures of variability (eg standard deviation)	
<input type="checkbox"/>	<input type="checkbox"/>	Measures of type II error (p-values) for comparison statistics are presented with actual values if p=0.01 or larger (eg. P=NS and p<0.05 are not acceptable)	
<input type="checkbox"/>	<input type="checkbox"/>	A description of how patients were selected into each treatment group	
<input type="checkbox"/>	<input type="checkbox"/>	A statement is made as to whether the same surgeons operated on patients from different treatment groups	
		<b>OVERALL ASSESSMENT</b>	
<input type="checkbox"/>	<input type="checkbox"/>	Are the results of this study valid	
<input type="checkbox"/>	<input type="checkbox"/>	What is the magnitude and precision of treatment effect (if a control group was used and this can be determined)	
<input type="checkbox"/>	<input type="checkbox"/>	Are the results applicable to your patient population	
<input type="checkbox"/>	<input type="checkbox"/>	Overall Conclusions	

Selected resources for further information

1. Bracken MB. Reporting observational studies. Br J Obst Gyn 96:383-8, 1989
2. Akai M. Evidence-based medicine for orthopedic practice. J Ortho Science 7:731-42, 2002.