Quality assessment table

Are these criteria reported in the study?

1=sufficient evidence reported. 0=no evidence reported/unclear/not explicit

Reference……

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Total scores: 0-10=low quality, 11-20=medium quality, 21-30=high quality.

		Examples/notes	**Reported?**
Experimental design	Number of blocks, trials or experimental units per session/subject		
	Length of each trial and interval between trials	*Both must be reported*	
	Total (out of 2)		
Task specification	Describes what subjects were asked to do	*E.g. Subjects read statements and instructed to press button to indicate if they agreed or disagreed*	
	Stimuli- describes what they were and how many	*E.g. 24 scenarios, 12 moral and 12 non moral. Explanation or example of content*	
	Total (out of 2)		
Subjects	Number of subjects		
	Age (mean and range)	*Both must be reported*	
	Handedness		
	Number of males/females		
	Inclusion/exclusion criteria	*Explicit inclusion and exclusion criteria, not just description of participant characteristics*	
	States which IRB approved the protocol	*Mark as not reported if just states 'local ethics committee' without giving name/institution*	
	Total (out of 6)		
Data acquisition *(these details need to be reported for functional imaging not just structural)*	MRI system manufacturer, field strength (Tesla), model name	*Only give point if all info reported*	
	MRI acquisition (number of experimental sessions and volumes acquired per session)	*Needs to report both no. of volumes and sessions*	
	Field of view, matrix size, slice thickness	*All 3 must be reported*	
	Pulse sequence type	*E.g. gradient/spin echo, EPI/spiral*	
	TE/TR/flip angle	*All 3 must be reported*	
	Total (out of 5)		
Data pre-	Name and version number of pre-	*E.g. SPM5*	

processing	processing software used		
	Specifies order of pre-processing operations	*If in list format, assume that is order*	
	Motion correction details *(not just stating that motion correction was performed)*	*E.g. Head motion corrected with FSL's MCFLIRT by maximizing the correlation ratio between each time point and the middle volume, using linear interpolation*	
	Slice timing correction (reference type of slice and interpolation)	*E.g. Slice timing correction to the first slice as performed, using SPM5's Fourier phase shift interpolation*	
	Size and type of smoothing kernel	*E.g 8mm FHWM Gaussian*	
	Total (out of 5)		
Analysis	Brain image template space, name, modality and resolution	*E.g. SPM2s MNI grey matter template 2x2x2mm' (not just MNI/Talairach space-see below)*	
	Coordinate space	*Reports if coordinates are reported as MNI or Talairach, not just which template normalised to (see above). In text not just tables*	
	Specifies exactly which conditions were subtracted from which condition		
	Statistical model reported	*E.g. Multiple regression, ANOVA, t-test*	
	Estimation method reported	*GLS or OLS. Tick as reported if e.g. 'A regression using 3dREMLfit in ANFI', as this is software for GLS or explicitly states 'according to SPM8s GLM '(uses OLS)*	
	Inference type	*Mixed or random effects*	
	Cluster-wise threshold and significance level details	*E.g. Group activation contrasts (uncorrected <.05 with a cluster-size threshold of 50 voxels)*	
	Total (out of 7)		
Tables	Labelled with coordinate space		
	Thresholds used to create tables	*P value/cluster threshold*	
	Statistics for each cluster in tables	*Must report X, y, z co-ordinates, cluster size and either a z or t value*	
	Total (out of 3)		
OVERALL TOTAL (out of 30)			

Quality assessment results

Author	Year	Experimental design (/2)	Task specification (/2)	Subjects (/6)	Data acquisition (/5)	Data pre-processing (/5)	Analysis (/7)	Tables (/3)	Total (/30)	Descriptive category
Avram et al	2013	2	2	3	4	3	3	2	19	Medium
Avram et al	2014	2	2	5	4	3	4	2	22	High
Bahnemann et al	2010	2	2	4	2	4	5	3	22	High
Borg et al	2006	2	2	5	3	1	5	2	20	Medium
Chiong et al	2013	2	2	3	4	3	5	2	21	High
de Achaval et al	2013	2	2	4	4	4	5	1	22	High
FeldmanHall et al	2014	2	2	4	3	4	4	3	22	High
Han et al	2014	2	2	5	5	3	6	3	26	High
Harada et al	2009	2	2	4	5	2	7	2	24	High
Harenski et al	2014	2	2	5	4	4	4	1	22	High
Harenski et al	2008	1	2	3	5	3	6	1	21	High
Harenski et al	2012	2	2	5	4	4	4	3	24	High
Harrison et al	2012	2	2	6	5	4	5	2	26	High
Heekeren et al	2003	2	2	3	5	2	5	2	21	High
Heekeren et al	2005	2	2	3	5	5	7	2	26	High
Moll et al	2001	2	1	3	5	2	6	1	20	Medium

Moll et al	2002	2	2	4	3	2	4	3	20	Medium
Parkinson et al	2011	1	2	2	4	3	6	2	20	Medium
Prehn et al	2008	2	2	3	3	4	5	3	22	High
Pujol et al	2012	1	2	6	4	4	6	2	25	High
Reniers et al	2012	2	2	5	4	5	5	2	25	High
Roberston et al	2007	2	2	5	3	3	4	3	22	High
Schleim et al	2011	2	2	3	4	3	6	3	23	High
Schneider et al	2012	2	2	5	4	4	5	3	25	High
Sommer et al	2010	2	2	3	4	3	4	2	20	Medium
Sommer et al	2014	1	2	4	4	3	6	2	22	High
Takahashi et al	2008	2	2	2	4	4	5	1	20	Medium
Verdejo-Garcia et al	2012	1	2	4	5	2	3	2	19	Medium