Appendix 1- Quality assessment checklist for MDP and POMDP models

Criterion / Author/year	Aims and objectives	Setting and population	Intervention/ comparators	Outcome measures	Model structure and time horizon	Mathematical formulation	Model development	Modeling methods (select optimization method)	Parameters, ranges and data sources	Assumptions explicit and justified	Quality of data and uncertainty and/or sensitivity analyses	Method of fitting	Model validation	Presentation of results and uncertainty	interpretation and discussion of results	Funding source and conflicts of interest	score
Chatwal (2010)	2	1	1	1	2	2	2	2	1	2	1	0	2	1	1	1	22
Ayer (2012)	2	2	2	2	2	2	2	2	1	2	1	0	2	1	1	1	25
Zhang (2012a)	2	2	2	2	2	2	2	2	2	2	2	2	1	2	1	1	29
Zhang (2012b)	2	2	2	2	2	2	2	2	1	2	1	2	1	1	1	1	26
Alagoz (2013)	2	1	1	2	2	2	2	2	1	2	1	0	1	1	2	1	23
Erenay (2014)	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	29