

# Pancreatic Cancer in adults: diagnosis and management

*Appendix J*

*Risk of Bias Summaries*

*31 July 2017*

*Draft for Consultation*

*Developed by the National Guideline Alliance, hosted  
by the Royal College of Obstetricians and  
Gynaecologist*



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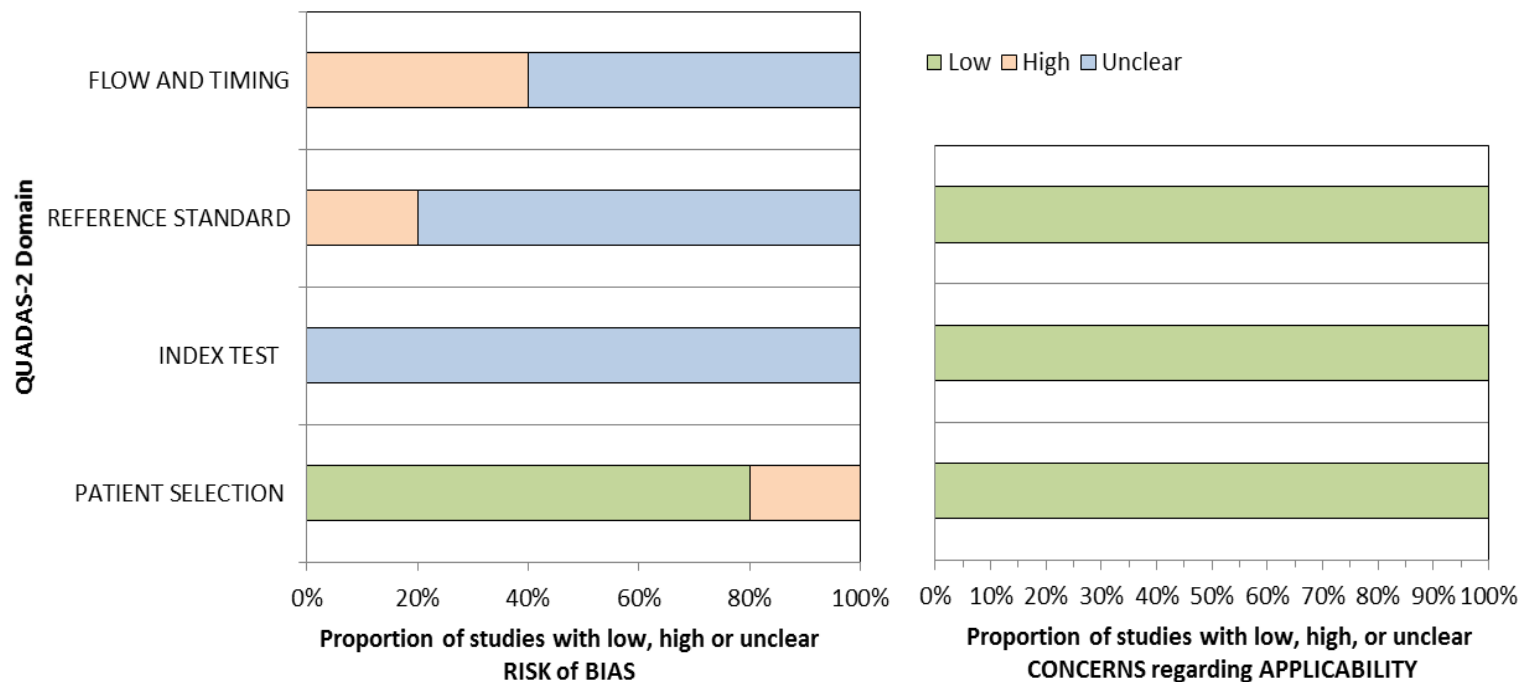
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# 1 Appendix J: Risk of bias summaries

## J.12 People with jaundice

3 **Figure 1: Risk of bias and applicability concerns graph: review authors' judgements about each domain presented as percentages**  
4 **across included studies**



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6 **Table 1: Risk of bias and applicability concerns summary: review authors' judgements about each domain for each included study**

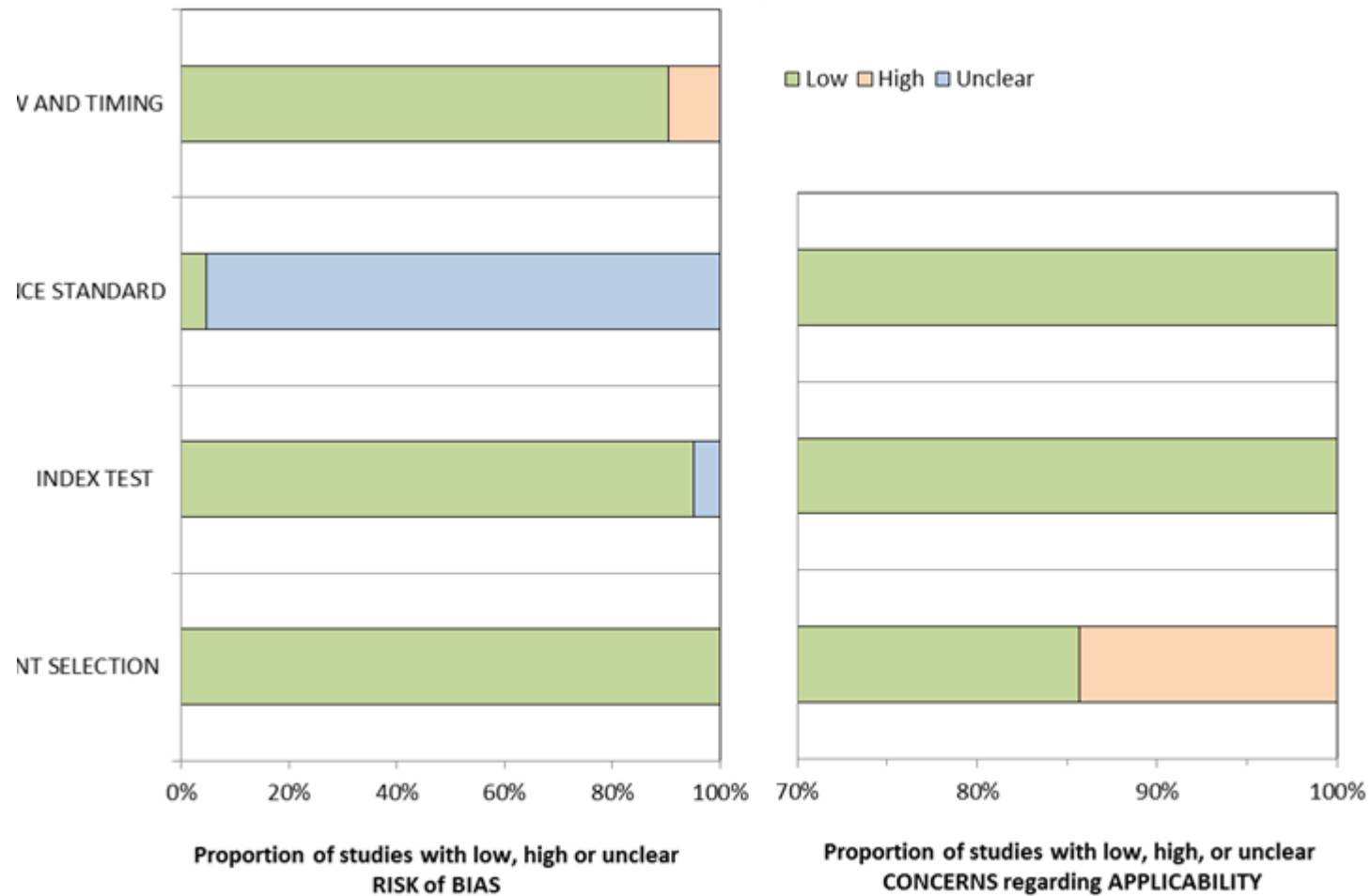
Study	RISK OF BIAS				APPLICABILITY <sup>a</sup>		
	PATIENT SELECTION	INDEX TEST	REFERENCE STANDARD	FLOW AND TIMING	PATIENT SELECTION	INDEX TEST	REFERENCE STANDARD
Agarwal 2004	Low	Unclear	Unclear	Unclear	Low	Low	Low

Study	RISK OF BIAS				APPLICABILITY <sup>a</sup>		
	PATIENT SELECTION	INDEX TEST	REFERENCE STANDARD	FLOW AND TIMING	PATIENT SELECTION	INDEX TEST	REFERENCE STANDARD
Kim 2014	Low	Unclear	High	High	Low	Low	Low
Oppong 2010	Low	Unclear	Unclear	Unclear	Low	Low	Low
Ross 2008	High	Unclear	Unclear	High	Low	Low	Low
Tummala 2013	Low	Unclear	Unclear	Unclear	Low	Low	Low

1 Notes: a, these items were used to evaluate indirectness.

## J.2.1 People without jaundice but with a pancreatic abnormality

2 **Figure 2: QUADAS-2 Risk of bias and applicability concerns graph: review authors' judgements about each domain presented as**  
3 **percentages across included studies**



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1 **Table 2: QUADAS-2 Risk of bias and applicability concerns summary: review authors' judgements about each domain for each**  
2 **included study**

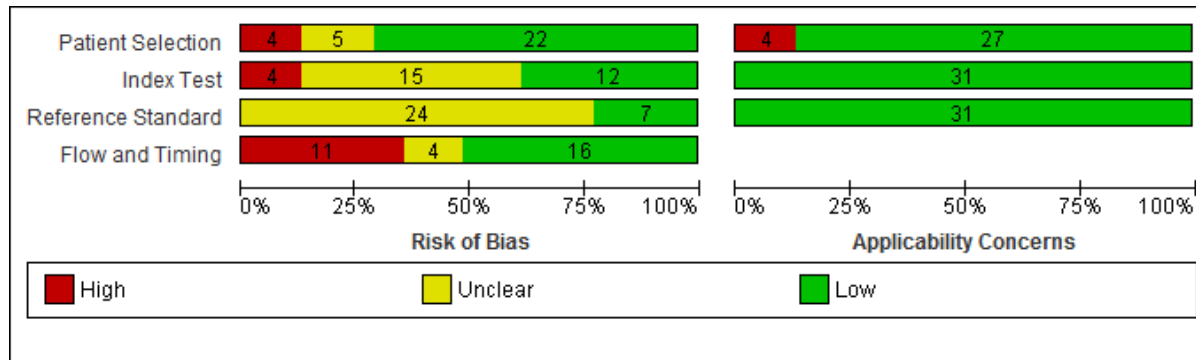
Study	RISK OF BIAS				APPLICABILITY <sup>a</sup>		
	PATIENT SELECTION	INDEX TEST	REFERENCE STANDARD	FLOW AND TIMING	PATIENT SELECTION	INDEX TEST	REFERENCE STANDARD
Bang 2012	Low	Low	Unclear	Low	Low	Low	Low
Bournet 2015	Low	Low	Unclear	Low	Low	Low	Low
Bournet 2009	Low	Low	Unclear	Low	Low	Low	Low
Fabbri 2011	Low	Low	Unclear	High	Low	Low	Low
Fritscher-Ravens 2002	Low	Low	Unclear	Low	Low	Low	Low
Harewood 2002	Low	Low	Unclear	Low	Low	Low	Low
Hikichi 2009	Low	Low	Unclear	Low	Low	Low	Low
Iglesias-Garcia 2007	Low	Low	Unclear	Low	Low	Low	Low
Kliment 2010	Low	Low	Unclear	Low	Low	Low	Low
Krishna 2009	Low	Low	Unclear	Low	High	Low	Low
Lee 2014	Low	Low	Unclear	Low	Low	Low	Low
Mishra 2006	Low	Low	Unclear	Low	High	Low	Low
Ramesh 2015	Low	Low	Unclear	Low	Low	Low	Low
Seicean 2016	Low	Low	Low	Low	Low	Low	Low
Strand 2014	Low	Unclear	Unclear	Low	High	Low	Low
Tamm 2007	Low	Low	Unclear	Low	Low	Low	Low
Touchefeu 2009	Low	Low	Unclear	High	Low	Low	Low
Wakatsuki 2005	Low	Low	Unclear	Low	Low	Low	Low
Wittman 2006	Low	Low	Unclear	Low	Low	Low	Low
Yang 2015	Low	Low	Unclear	Low	Low	Low	Low
Yusuf 2009	Low	Low	Unclear	Low	Low	Low	Low

3 Notes: a, these items were used to evaluate indirectness.



## J.3.1 Pancreatic Cysts

2 **Figure 3: Risk of bias and applicability concerns graph: review authors' judgements about each domain presented as percentages**  
3 **across included studies**



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1 Figure 4: Risk of bias and applicability concerns summary: review authors' judgements about each domain for each included study

	Risk of Bias				Applicability Concerns		
	Patient Selection	Index Test	Reference Standard	Flow and Timing	Patient Selection	Index Test	Reference Standard
Ardengh 2007	+	?	?	-	+	+	+
Brugge 2004	+	+	+	+	+	+	+
Cizginer 2011	?	+	+	?	+	+	+
Frossard 2003	?	?	?	+	+	+	+
Gaddam 2015	+	?	?	-	+	+	+
Gerke 2006	+	+	+	-	+	+	+
Hirono 2012	+	?	?	-	+	+	+
Jang 2014	-	+	?	-	-	+	+
Jin 2015	+	?	?	-	+	+	+
Kamata 2016	-	?	?	-	-	+	+
Kim 2012	+	+	+	+	+	+	+
Kim 2015	-	+	?	-	-	+	+
Lee 2011	+	+	+	?	+	+	+
Linder 2006	+	?	?	?	+	+	+
Moris 2016	+	-	?	+	+	+	+
Nagashio 2014	+	-	?	?	+	+	+
Oh 2014	+	?	?	+	+	+	+
Oppong 2015	+	-	?	+	+	+	+
Othman 2012	+	?	?	+	+	+	+
Pais 2007	?	+	?	+	+	+	+
Park 2011	+	?	?	+	+	+	+
Pitman 2010	+	?	+	-	+	+	+
Pitman 2013	?	?	?	+	+	+	+
Smith 2016	+	+	?	+	+	+	+
Song 2007	?	+	?	-	+	+	+
Sperti 2001	+	?	?	+	+	+	+
Sperti 2005	+	?	?	+	+	+	+
Takanami 2011	-	+	?	-	-	+	+
Talar-Wojnarowska 2013	+	?	?	+	+	+	+
Wu 2007	+	-	?	+	+	+	+
Zhang 2010	+	+	+	+	+	+	+

● High      ● Unclear      ● Low

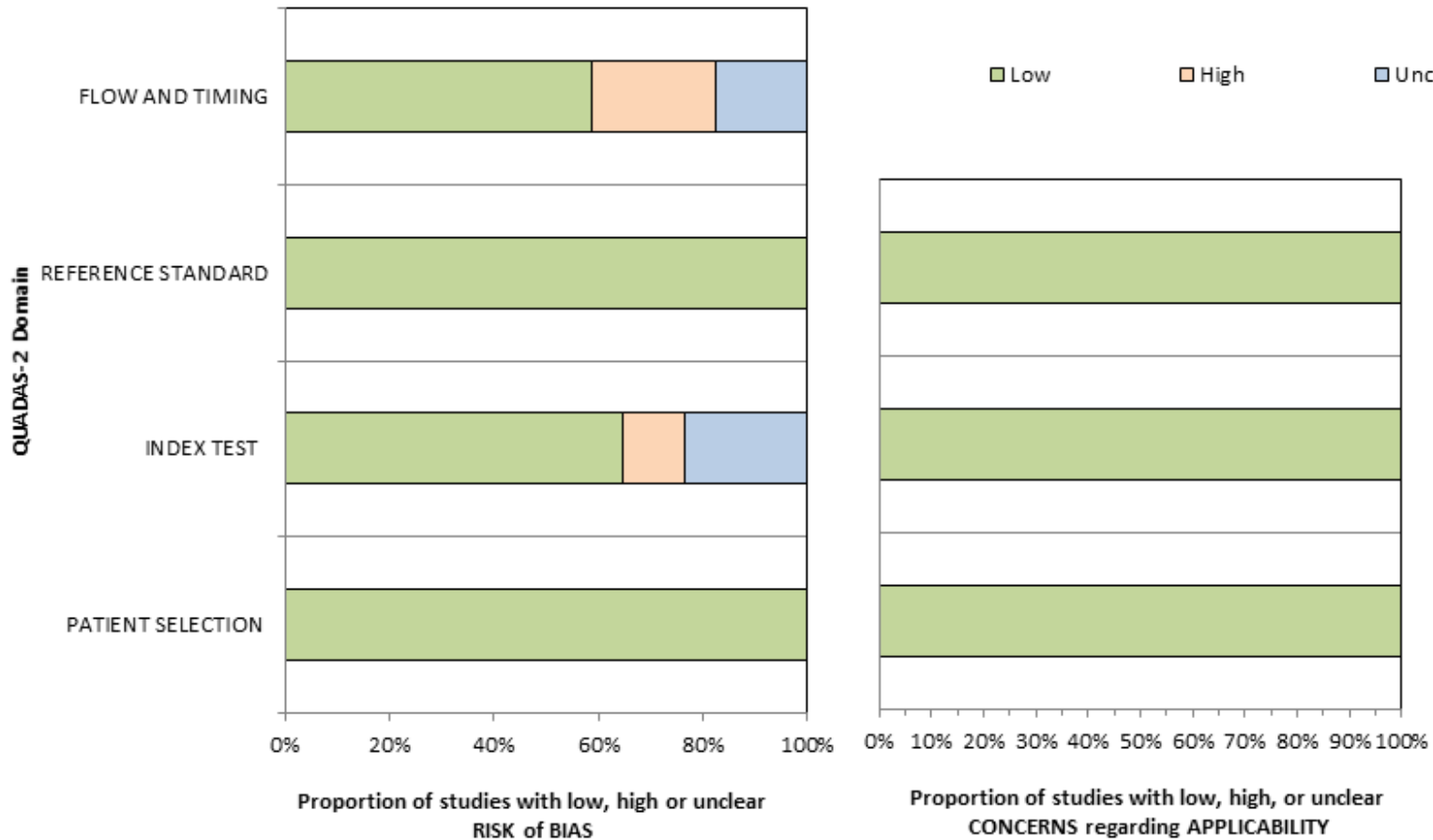
1 **Figure 5: Risk of bias and applicability concerns summary: review authors' judgements (Cao 2016) about each domain for each**  
2 **included study (n=13)**



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## J.4.1 People with inherited high risk of pancreatic cancer

2 Figure 6: QUADAS-2 Risk of bias and applicability concerns graph: review authors' judgements about each domain presented as  
3 percentages of screening/surveillance studies



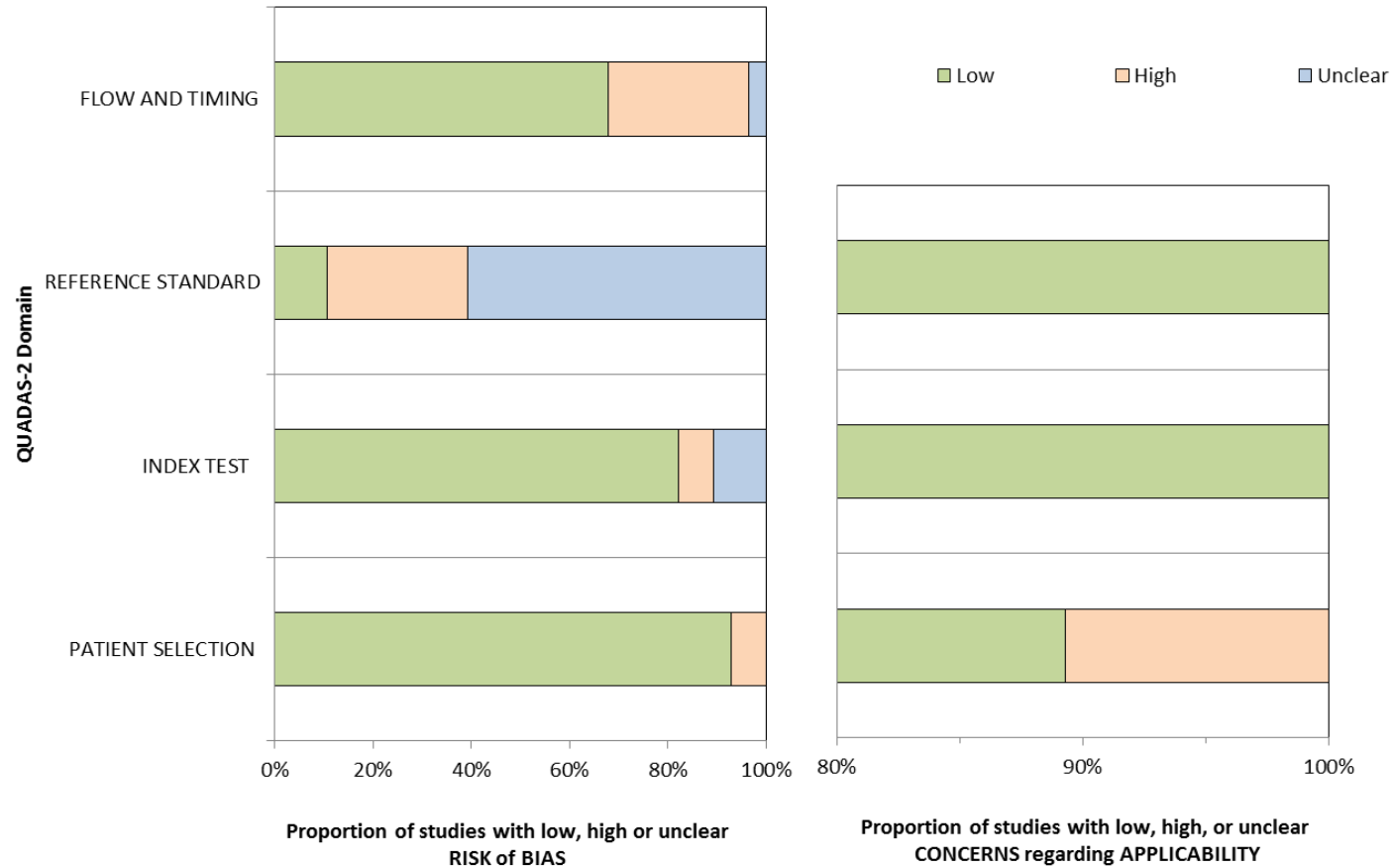
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1 **Table 3: QUADAS-2 Summary of risk of bias and applicability concerns: review authors' judgements about each domain for each**  
2 **included study**

Study	RISK OF BIAS				APPLICABILITY		
	PATIENT SELECTION	INDEX TEST	REFERENCE STANDARD	FLOW AND TIMING	PATIENT SELECTION	INDEX TEST	REFERENCE STANDARD
Al-Sukhni 2012	Low	Low	Low	High	Low	Low	Low
Bartsch 2016	Low	High	Low	Low	Low	Low	Low
Canto 2006	Low	Low	Low	Low	Low	Low	Low
Canto 2004	Low	Low	Low	Low	Low	Low	Low
Canto 2012	Low	Unclear	Low	Unclear	Low	Low	Low
Chang 2017	Low	Low	Low	Low	Low	Low	Low
Del Chiaro 2015	Low	Unclear	Low	Low	Low	Low	Low
Harinck 2016/ Konings 2016	Low	Low	Low	High	Low	Low	Low
Kimmey 2002	Low	Low	Low	Low	Low	Low	Low
Ludwig 2011	Low	Unclear	Low	Unclear	Low	Low	Low
Nicholson 2015	Low	Low	Low	Unclear	Low	Low	Low
Poley 2009	Low	Low	Low	Low	Low	Low	Low
Potjer 2013	Low	Low	Low	Low	Low	Low	Low
Sud 2014	Low	Low	Low	High	Low	Low	Low
Vasen 2016	Low	High	Low	Low	Low	Low	Low
Verna 2010	Low	Unclear	Low	High	Low	Low	Low
Zubarik 2011	Low	Low	Low	Low	Low	Low	Low

## J.51 Staging

2 **Figure 7: Risk of bias and applicability concerns graph: review authors' judgements about each domain presented as percentages**  
 3 **across included studies**



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2 **Table 4: Risk of bias and applicability concerns summary: review authors' judgements about each domain for each included study**

Study	Risk of bias				Indirectness		
	PATIENT SELECTION	INDEX TEST	REFERENCE STANDARD	FLOW AND TIMING	PATIENT SELECTION	INDEX TEST	REFERENCE STANDARD
Connor 2005	High	Low	Low	Low	Low	Low	Low
DeWitt 2004	Low	Low	High	High	Low	Low	Low
Doucas 2006	Low	High	Unclear	Low	Low	Low	Low
Fang 2012	Low	Low	Low	Low	Low	Low	Low
Farma 2008	Low	Unclear	Unclear	Unclear	Low	Low	Low
Fischer 2002	Low	Low	Unclear	High	Low	Low	Low
Fristrup 2006	Low	Low	High	High	Low	Low	Low
Furukawa 2008	Low	Low	Unclear	High	Low	Low	Low
Imbriaco 2005	Low	Low	Unclear	Low	Low	Low	Low
Klauss 2007	Low	High	High	Low	Low	Low	Low
Kłęk 2004	Low	Low	Unclear	Low	Low	Low	Low
Koelblinger 2011	Low	Low	Unclear	High	Low	Low	Low
Kwon 2002	Low	Low	High	Low	Low	Low	Low
Lemke 2004	Low	Unclear	Unclear	Low	Low	Low	Low
Liu 2005	Low	Low	High	Low	Low	Low	Low
Maithel 2008	Low	Low	High	Low	Low	Low	Low
Maluf-Fiho 2004	Low	Low	High	Low	High	Low	Low
Mansfield 2008	Low	Low	High	Low	High	Low	Low
Minniti 2003	Low	Low	Unclear	Low	Low	Low	Low
Phoa 2005	Low	Low	Unclear	Low	Low	Low	Low
Roche 2003	Low	Low	Low	Low	Low	Low	Low
Schacter 2000	Low	Low	Unclear	High	Low	Low	Low
Shah 2008	Low	Low	Unclear	High	Low	Low	Low
Shami 2011	Low	Unclear	Unclear	High	Low	Low	Low
Soriano 2004	Low	Low	Low	Low	Low	Low	Low

Study	Risk of bias				Indirectness		
	PATIENT SELECTION	INDEX TEST	REFERENCE STANDARD	FLOW AND TIMING	PATIENT SELECTION	INDEX TEST	REFERENCE STANDARD
Taylor 2001	High	Low	Unclear	Low	High	Low	Low
Tellez-Avila 2012	Low	Low	Unclear	Low	Low	Low	Low
White 2001	Low	Low	Unclear	Low	Low	Low	Low
Yoneyama 2014	Low	Low	Unclear	Low	Low	Low	Low

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