Table II. Risk of bias assessment for identifie tri s

Study, year publication, country	Domains							
	Sequence generation	Allocation concealment	Intervention integrity	Effective blinding a) participant b) providers c) objective outcomes	Incomplete outcome data	Selective Outcome reporting	Other sources of bias	Our evaluation of risk of bias
Ali & Khan 2015 (62) Pakistan	Unclear	Unclear	Adequate	a) Not possible b) Not possible c) Unclear	Partial	Adequate	IFU, GC,	High
Bae et al. 2014 (64) South Korea	Adequate	Unclear	Adequate	a) Not possible b) Not possible c) Unclear	Unclear	Unclear	IFU, UFSD, UIV, USS, GC,	High
Badalamente et al. 2016 (63) USA Studies 1&3	Study 1: Unclear Study 3: Unclear	Study 1: Unclear Study 3: Unclear	Adequate	Study 1.a) Unclear b) "investigators blinded" c) unclear Study 3.a) Not possible b) Not possible c) Adequate	Study 1: Study 3: Adequate	Unclear	FSD, OMC, UIV, USS, GC,	High
Balci et al. 2016 (65) Turkey	Partial	Unclear	Adequate	a) Not possible b) Not possible c) Unclear	Single session	Adequate	BLD, GC, IFU, OMC, USS	Moderate
Celik & Kaya Mutlu 2016 (28) Turkey	Adequate	Adequate	Adequate	a) Not possible b) Not possible c) Adequate	Partial	Unclear	GC,	Low
Do Moon et al. 2015 (66) South Korea	Unclear	Unclear	Unclear	a) Not possible b) Not possible c) Unclear	Adequate	Adequate	IFU, OMC, USS, GC,	High
Doner et al. 2013 (67) Turkey	Adequate	Unclear	Unclear	a) Not possible b) Not possible c) Unclear	Unclear	Adequate	GC, USS,	High
Elhafez & Elhafez 2016 (68) Egypt	Unclear	Unclear	Adequate	a) States blinded but unclear how this is possible? b) Not possible c) Adequate	Inadequate	Unclear	BLD, COI, IFU, USS, GC,	High
Ghosh et al. 2012 (69) India	Unclear	Unclear	Unclear	a) Not possible b) Not possible c) Unclear	Unclear	Unclear	FSD, UIV, USS, GC,	High
Gutierrez Espinoza et al. 2015 (30) Chile	Adequate	Adequate	Adequate	a) Not possible b) Not possible c) Adequate	Adequate	Adequate	IFU, GC,	Low
Ibrahim et al. 2014 (31) USA	Adequate	Unclear	Adequate	a) Not possible b) Partial c) Adequate	Adequate	Adequate	COI, USS, GC,	Low
Ji et al. 2015 (70) China	Adequate	Adequate	Partial	a) Not possible b) Not possible c) Unclear	Adequate	Unclear	COI, GC, IFU, USS,	Moderate
Joo et al. 2013 (71) Korea	Unclear	Unclear	Unclear	a) Adequate b) Unclear c) Unclear	Unclear	Adequate	IFU, OMC, USS, GC,	High
Kim et al. 2015 (47) South Korea	Unclear	Unclear	Adequate	a) Unclear b) Adequate where possible c) Unclear	Adequate	Unclear	GC, IFU, OMC, USS,	High
Kwak & Kim 2016 (72) South Korea	Unclear	Unclear	Unclear	a) Not possible b) Not possible c) Unclear	Unclear	Unclear	OMC, USS, GC,	High
Lee et al. 2016 (73) South Korea	Adequate	Unclear	Adequate	a) Unclear b) Not possible c) Adequate	Adequate	Unclear	IFU, GC,	Moderate
Lee et al. 2015 (74) South Korea	Adequate	Unclear	Adequate	a) Adequate b) Unclear c) Unclear	Partial: loss to follow up 21%	Unclear	IFU, USS, GC,	High
Lorbach et al. 2010 (75) Germany	Unclear	Unclear	Unclear	a) Not possible b) Not possible c) Unclear	Unclear	Unclear	OMC, USS, GC,	High
Ma et al. 2013 (27) Korea	Unclear	Adequate	Adequate	a) Not possible b) Not possible c) Adequate	Adequate	Adequate	GC, IFU, USS,	High
Ohta et al. 2014 (76) Japan	Inadequate	Unclear	Unclear	a) Unclear b) Unclear c) Unclear	Unclear	Adequate	IFU, OMC, USS, GC,	High

Table II. *Cont*.

Study, year publication, country	Domains							
	Sequence generation	Allocation concealment	Intervention integrity	Effective blinding a) participant b) providers c) objective outcomes	Incomplete outcome data	Selective Outcome reporting	Other sources of bias	Our evaluation of risk of bias
Park et al. 2013 (78) Korea	Adequate	Unclear	Adequate	a) Not possible b) Not possible c) Adequate	Unclear	Unclear	GC, IFU,	High
Park et al. 2014 (79) South Korea	Unclear	Unclear	Adequate	a) Not possible b) Not possible c) Unclear	Unclear	Adequate	IFU, USS, GC,	High
Schydlowsky et al. 2012 (80) Denmark	Unclear	Unclear	Inadequate	a) Not possible b) Not possible c) Inadequate	Inadequate	Adequate	BLD, GC,	High
Shin et al. 2013 (81) South Korea	Adequate	Adequate	Unclear	a) Not possible b) Not possible c) Adequate	Unclear	Unclear	GC	Moderate
Tanaka et al. 2010 (82) Japan	Unclear	Unclear	Adequate	a) Not possible b) Not possible c) Adequate	Unclear	Adequate	FSD, USS, UIV, GC,	High
Vahdatpour et al. 2014 (83) Iran	Unclear	Unclear	Adequate	a) Adequate b) Not possible c) Unclear	Inadequate	Adequate	GC, OMC, UIV, USS,	High
Wu et al. 2014 (84) Taiwan	Inadequate	Unclear	Inadequate	a) Mixed: not possible/ adequate b) Not possible c) Primary outcome: adequate, Secondary: unclear	Unclear	Unclear	OMC, GC, IFU, UIV, USS,	High
Yang et al. 2012 (85) Taiwan	Inadequate	Inadequate	Adequate	a) Not possible b) Not possible c) Adequate	Adequate	Unclear	GC, BLD,IFU	High
Yoon et al. 2013 (32) South Korea	Adequate	Adequate	Adequate	a) Adequate b) Adequate c) Adequate	Unclear	Adequate	GC, IFU,	Low

Key: adequate, low risk of bias; inadequate, high risk of bias; unclear, potential risk of bias uncertain; partial, high/unclear risk to some procedures or outcomes. [illegible] diagnosis of frozen shoulder unclear or diagnosed by symptoms with no imaging; GC: generalizability concerns (e.g. single-site/treatment provider, choice of [illegible] of detail/ varying durations/pre-trial treatment).