

### Web appendix 3: Quality assessment results

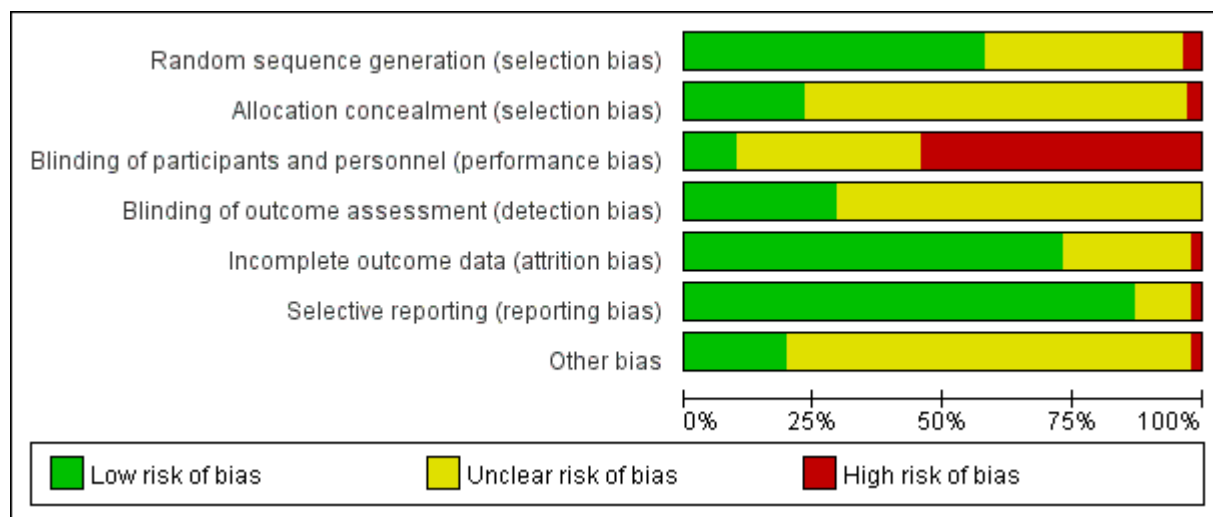


Fig S3.1 Graph of risk of bias assessments for RCTs of eradication therapies for *H. pylori*

Table S3.1 Summary of methodological quality of included studies

Study	Random sequence generation	Allocation concealment	Blinding of participants and personnel	Blinding of outcome assessment	Incomplete outcome data	Selective reporting	Other sources of bias
Alkim H 2011 (1)	low	unclear	unclear	low	low	low	unclear
Aminian K 2010 (2)	low	unclear	unclear	unclear	low	low	unclear
Assem M 2010 (3)	low	unclear	unclear	unclear	unclear	unclear	unclear
Avşar E 2013 (4)	low	unclear	unclear	unclear	unclear	low	unclear
Aydin A 2007 (5)	unclear	unclear	unclear	unclear	unclear	low	low
Basu PP 2011 (6)	low	low	high	unclear	low	unclear	unclear
Bekar O 2011 (7)	unclear	unclear	low	unclear	unclear	low	high
Bhasin DK 2000 (8)	unclear	unclear	unclear	unclear	low	low	unclear
Bujanda L 2001 (9)	low	unclear	low	unclear	low	low	unclear
Bujanda L 2001 (10)	unclear	unclear	unclear	unclear	low	low	unclear
Calvet X 2005 (11)	low	low	high	low	unclear	low	unclear
Calvet X 2002 (12)	unclear	low	unclear	unclear	unclear	low	low
Canducci F 2000 (13)	unclear	low	high	unclear	low	low	unclear
Catalano F 2000 (14)	low	unclear	high	low	low	low	unclear
Catalano F 1998 (15)	unclear	unclear	high	low	low	low	unclear
Chen LW 2010 (16)	low	unclear	high	low	low	low	unclear
Cheng H 2010 (17)	unclear	unclear	unclear	unclear	low	low	unclear
Ching SS 2008 (18)	low	unclear	unclear	unclear	low	low	unclear
Choi HS 2012 (19)	low	unclear	unclear	unclear	unclear	low	unclear
Choi KH 2011 (20)	low	low	low	unclear	low	low	unclear
Choi WH 2008 (21)	unclear	unclear	unclear	unclear	low	low	unclear
Chung JW 2012 (22)	low	unclear	high	unclear	low	low	low

<b>Study</b>	<b>Random sequence generation</b>	<b>Allocation concealment</b>	<b>Blinding of participants and personnel</b>	<b>Blinding of outcome assessment</b>	<b>Incomplete outcome data</b>	<b>Selective reporting</b>	<b>Other sources of bias</b>
Cindoruk M 2007 (23)	low	unclear	low	low	low	low	unclear
Cuadrado-Lavín A 2012 (24)	low	unclear	high	unclear	low	low	unclear
Daghaghzadeh H 2007 (25)	unclear	unclear	unclear	unclear	low	low	unclear
Dal Bo' N 1998 (26)	unclear	unclear	high	low	low	low	unclear
Dammann HG 2000 (27)	unclear	unclear	low	unclear	unclear	low	unclear
De Francesco V 2004 (28)	low	unclear	high	unclear	low	low	unclear
De Francesco V 2004 (29)	low	unclear	unclear	low	low	high	unclear
Deguchi R 2012 (30)	low	unclear	unclear	low	low	unclear	low
Du YQ 2012 (31)	low	unclear	high	unclear	low	low	unclear
Fakheri H 2012 (32)	low	unclear	unclear	low	low	low	unclear
Fakheri HT 2011 (33)	unclear	unclear	unclear	unclear	low	low	unclear
Fallone CA 2013 (34)	high	unclear	high	low	low	low	unclear
Farup PG 2002 (35)	low	low	high	unclear	unclear	low	unclear
Filipec Kanizaj T 2009 (36)	low	low	unclear	low	unclear	low	low
Francavilla R 2013 (37)	low	low	low	low	low	low	unclear
Gao XZ 2010 (38)	low	unclear	high	unclear	low	low	unclear
Garza González E 2007 (39)	unclear	unclear	unclear	unclear	unclear	low	low
Georgopoulos S 2013 (40)	low	unclear	high	unclear	low	low	unclear
Gisbert JP 2000 (41)	low	unclear	high	low	low	low	unclear
Gisbert JP 2005 (42)	low	high	high	low	unclear	low	unclear
Gisbert JP 2001 (43)	unclear	unclear	unclear	low	high	high	high
Gopal R 2013 (44)	low	low	high	unclear	unclear	low	unclear
Greenberg ER 2011 (45)	low	low	high	unclear	unclear	unclear	unclear

<b>Study</b>	<b>Random sequence generation</b>	<b>Allocation concealment</b>	<b>Blinding of participants and personnel</b>	<b>Blinding of outcome assessment</b>	<b>Incomplete outcome data</b>	<b>Selective reporting</b>	<b>Other sources of bias</b>
Gumurdulu Y 2004 (46)	unclear	unclear	unclear	unclear	unclear	low	unclear
Hu FL 2012 (47)	unclear	unclear	unclear	unclear	low	low	unclear
Hu SQ 2009 (48)	low	unclear	unclear	unclear	low	low	unclear
Huang YK 2012 (49)	low	unclear	high	unclear	low	low	low
Hung IF 2009 (50)	unclear	low	high	unclear	low	low	unclear
Hurenkamp GJ 2000 (51)	unclear	unclear	low	low	low	unclear	unclear
Iacopini F 2005 (52)	low	unclear	high	unclear	unclear	low	unclear
Jang HJ 2005 (53)	unclear	unclear	unclear	unclear	low	low	unclear
Javid G 2013 (54)	low	low	high	low	unclear	low	unclear
Jiang YA 2013 (55)	high	unclear	unclear	unclear	low	low	unclear
Karatapanis S 2011 (56)	low	unclear	high	low	low	low	unclear
Katellaris PH 2002 (57)	low	low	high	unclear	low	low	low
Keum B 2005 (58)	high	high	high	unclear	unclear	unclear	unclear
Kiliç ZM 2008 (59)	unclear	unclear	high	unclear	low	low	unclear
Kim BG 2007 (60)	unclear	unclear	high	unclear	low	low	unclear
Kim MN 2008 (61)	high	unclear	high	unclear	low	low	unclear
Kim N 2008 (62)	low	unclear	low	low	low	low	unclear
Kim YS 2011 (63)	low	high	high	unclear	unclear	low	unclear
Kiyota K 1999 (64)	unclear	unclear	high	unclear	low	low	unclear
Lahbabi M 2013 (65)	low	unclear	high	unclear	low	low	unclear
Laine L 1996 (66)	low	unclear	unclear	unclear	low	low	unclear
Laine L 2003 (67)	unclear	unclear	high	low	low	low	low
Liang Z 2010 (68)	unclear	unclear	unclear	unclear	low	low	unclear

<b>Study</b>	<b>Random sequence generation</b>	<b>Allocation concealment</b>	<b>Blinding of participants and personnel</b>	<b>Blinding of outcome assessment</b>	<b>Incomplete outcome data</b>	<b>Selective reporting</b>	<b>Other sources of bias</b>
Liao J 2013 (69)	low	low	high	unclear	low	low	low
Lim JH 2013 (70)	low	unclear	high	unclear	low	low	unclear
Liou JM 2013 (71)	low	low	high	unclear	low	low	low
Liou JM 2010 (72)	low	low	high	unclear	unclear	low	low
Liu KS 2013 (73)	low	low	high	low	low	low	unclear
Louw JA 1998 (74)	low	low	high	unclear	low	low	unclear
Louw JA 1998 (75)	unclear	unclear	high	unclear	low	low	unclear
Ma CX 2008 (76)	low	unclear	unclear	unclear	unclear	low	unclear
Maconi G 2001 (77)	unclear	unclear	high	unclear	low	low	low
Malfertheiner P 2011 (78)	low	low	high	unclear	low	low	low
Mantzaris GJ 2002 (79)	unclear	unclear	high	low	low	unclear	unclear
Mao HV 2000 (80)	unclear	unclear	unclear	unclear	low	low	unclear
McNicholl AG 2013 (81)	low	low	high	low	low	low	unclear
Mirbagheri SA 2006 (82)	unclear	unclear	unclear	unclear	low	low	unclear
Moayyedi P 1996 (83)	unclear	unclear	high	low	low	low	unclear
Molina-Infante J 2012 (84)	low	low	high	unclear	low	unclear	unclear
Molina-Infante J 2010 (85)	low	unclear	high	unclear	low	low	unclear
Molina-Infante J 2013 (86)	low	low	high	unclear	low	unclear	unclear
Morse AL 2013 (87)	low	low	high	low	unclear	unclear	low
Multiple Center Study Group in Beijing Area 2004 (88)	unclear	unclear	unclear	unclear	unclear	low	unclear
Myllyluoma E 2005 (89)	low	unclear	low	unclear	low	low	unclear
Nasa M 2013 (90)	low	unclear	high	unclear	low	low	unclear

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Nista EC 2004 (91)	low	unclear	low	unclear	low	low	unclear
Nista EC 2006 (92)	low	unclear	high	unclear	low	low	unclear
Oh HS 2012 (93)	low	unclear	high	unclear	low	low	unclear
Özdil K 2011 (94)	unclear	unclear	unclear	unclear	low	unclear	unclear
Pai CG 2003 (95)	unclear	unclear	unclear	unclear	low	low	unclear
Palmas F 2002 (96)	unclear	unclear	unclear	unclear	unclear	high	unclear
Paoluzi OA 2010 (97)	low	unclear	high	unclear	low	low	unclear
Paoluzi P 2006 (98)	low	unclear	high	unclear	high	unclear	unclear
Park HG 2012 (99)	low	unclear	high	unclear	low	low	unclear
Park SK 2007 (100)	unclear	unclear	unclear	low	unclear	low	unclear
Qian J 2012 (101)	low	unclear	unclear	unclear	low	low	unclear
Riquelme A 2007 (102)	high	high	high	unclear	unclear	low	unclear
Robles-Jara C 2008 (103)	unclear	unclear	high	unclear	unclear	unclear	unclear
Sardarian H 2013 (104)	low	unclear	unclear	low	low	low	unclear
Savarino V 1999 (105)	low	unclear	high	unclear	low	low	unclear
Savarino V 2000 (106)	low	unclear	high	low	low	low	low
Scaccianoce G 2006 (107)	low	unclear	high	unclear	low	low	unclear
Scaccianoce G 2008 (108)	unclear	unclear	high	unclear	low	low	unclear
Seddik H 2013 (109)	low	unclear	high	low	low	low	unclear
Sheu BS 2002 (110)	unclear	unclear	unclear	unclear	unclear	low	unclear
Sokwala A 2012 (111)	low	unclear	high	unclear	unclear	low	unclear
Song MJ 2010 (112)	low	unclear	unclear	low	unclear	low	unclear
Songür Y 2009 (113)	low	unclear	high	low	low	low	unclear

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Spinzi GC 2000 (114)	low	low	high	low	low	low	unclear
Sun QJ 2010 (115)	unclear	unclear	high	low	low	low	low
Sung JJ 1998 (116)	unclear	unclear	high	low	unclear	low	unclear
Taghavi SA 2009 (117)	unclear	unclear	low	low	high	low	high
Telaku S 2013 (118)	unclear	unclear	high	unclear	unclear	low	unclear
Ungan M 2001 (119)	unclear	unclear	high	unclear	low	unclear	unclear
Uygun A 2012 (120)	low	low	high	low	low	low	unclear
Uygun A 2007 (121)	low	unclear	high	unclear	low	low	unclear
Vaira D 2007 (122)	low	low	low	low	low	low	low
Vakil N 2004 (123)	low	low	low	low	unclear	low	low
Valooran GJ 2011 (124)	low	low	unclear	unclear	unclear	low	unclear
Wang PW 2008 (125)	unclear	unclear	unclear	unclear	low	low	unclear
Wong BC 2001 (126)	low	low	unclear	low	low	low	low
Wu DC 2010 (127)	low	low	high	low	low	low	low
Wu GL 2011 (128)	low	unclear	unclear	unclear	low	low	unclear
Xu MH 2011 (129)	unclear	unclear	unclear	unclear	low	low	low
Yanai A 2012 (130)	unclear	low	unclear	unclear	low	low	unclear
Yaşar B 2010 (131)	unclear	unclear	unclear	unclear	low	low	unclear
Zagari RM 2007 (132)	low	low	low	unclear	low	low	low
Zhang XM 2010 (133)	unclear	unclear	unclear	unclear	low	low	unclear
Zhao QX 2009 (134)	unclear	unclear	unclear	unclear	low	low	unclear
Zheng Q 2010 (135)	unclear	unclear	high	unclear	low	low	low
Zheng Q 2009 (136)	unclear	unclear	high	unclear	low	unclear	unclear

<b>Study</b>	<b>Random sequence generation</b>	<b>Allocation concealment</b>	<b>Blinding of participants and personnel</b>	<b>Blinding of outcome assessment</b>	<b>Incomplete outcome data</b>	<b>Selective reporting</b>	<b>Other sources of bias</b>
Zheng Q 2006 (137)	unclear	unclear	high	unclear	low	low	low
Zhou YQ 2012 (138)	low	unclear	high	unclear	low	low	low
Ziemniak W 2006 (139)	unclear	unclear	unclear	unclear	unclear	low	low
Zojaji H 2013 (140)	unclear	unclear	unclear	unclear	unclear	unclear	unclear
Zullo A 2005 (141)	low	unclear	high	low	low	low	low
Zullo A 2013 (142)	low	unclear	high	unclear	low	low	unclear
Zullo A 2003 (143)	low	low	high	unclear	low	low	unclear

The reference numbers in brackets are corresponding to the references presented in the web appendix 2.