

**Table E-55. Study quality for trials comparing hormone with placebo**

<b>Study</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q5</b>	<b>Q6</b>	<b>Q7</b>	<b>Q8</b>	<b>Q9</b>	<b>Overall</b>
Martin 1971	Unc	Yes	Unc	No	Yes	Yes	Yes	Yes	Unc	Poor

<b>Study</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q5</b>	<b>Q6</b>	<b>Q7</b>	<b>Q8</b>	<b>Q9</b>	<b>Overall</b>
Campbell 1977	Unc	Yes	Unc	Unc	No	Yes	Yes	Yes	Unc	Poor
Baumgardner 1978	Unc	Yes	Unc	Unc	Yes	Unc	Yes	Yes	Yes	Poor
Coope 1981	Unc	Yes	Unc	Unc	No	Yes	Yes	Yes	Unc	Poor
Jensen 1983	Unc	Unc	Unc	Yes	No	Yes	Yes	Yes	Unc	Poor
Foidart 1991	Unc	Unc	Unc	Unc	Unc	Yes	Yes	Yes	Unc	Poor
Eriksen 1992	Unc	Yes	Unc	Yes	No	Yes	Yes	Yes	Unc	Poor
Wiklund 1993	Unc	Yes	Unc	Yes	No	Yes	Yes	Yes	Unc	Poor
Derman 1995	Yes	Yes	Unc	No	Yes	Yes	Yes	Yes	Yes	Poor
Saletu 1995	Unc	Yes	Unc	Yes	No	Yes	Yes	Yes	No	Poor
Good 1996	Unc	Yes	Unc	No	Yes	Yes	Yes	Yes	Yes	Poor
Speroff (Study 1) 1996	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Poor
Chung 1996	Unc	Yes	Unc	No	Yes	Yes	Yes	Yes	Unc	Poor
Speroff (Study 2) 1996	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Unc	Poor
Speroff (Study 3) 1996	Yes	Yes	Yes	No	No	Yes	Yes	Yes	No	Poor
Bacchi-Modena 1997	Unc	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Poor
Baerug 1998	Unc	Yes	Unc	Unc	No	Yes	Yes	Yes	Unc	Poor
Bech 1998	Unc	Yes	Unc	Unc	Yes	Yes	Yes	Yes	Unc	Poor
de Vrijer 1999	Unc	Unc	Unc	Unc	No	Yes	Yes	Yes	Yes	Poor
Leonetti 1999	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Poor
Studd 1999	Unc	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Poor
Polo-Kantola 1999	Yes	Yes	Yes	Yes	No	Unc	Yes	Yes	No	Poor
Casper 1999	Unc	Yes	Unc	Unc	Yes	Yes	Yes	Yes	No	Poor
Cohen 1999	Unc	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Poor
Rebar 2000	Unc	Yes	Unc	Unc	Yes	Yes	Yes	Yes	Unc	Poor
Speroff (Study 1) 2000	Unc	Yes	Unc	Unc	No	Unc	Yes	Yes	No	Poor
Rovati 2000	Yes	Yes	Unc	Yes	Yes	Yes	Yes	Yes	Yes	Fair
Notelovitz 2000	Unc	Yes	Unc	Unc	Unc	Yes	Yes	Yes	Yes	Poor
Strickler 2000	Yes	Yes	Yes	Unc	Unc	Yes	Yes	Yes	Yes	Poor
Notelovitz 2000	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Unc	Poor
DeAloysio 2000	Yes	Yes	Unc	No	Yes	Yes	Yes	Yes	Unc	Poor

<b>Study</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q5</b>	<b>Q6</b>	<b>Q7</b>	<b>Q8</b>	<b>Q9</b>	<b>Overall</b>
von Holst 2000	Unc	Unc	Unc	Yes	No	Yes	Yes	Yes	Yes	Fair
Notelovitz 2000	Unc	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Poor
Alexandersen 2000	Unc	No	Yes	No	Yes	Unc	Yes	Yes	Yes	Poor
Speroff (Study 2) 2000	Unc	Yes	Unc	Unc	No	Unc	Yes	Yes	Yes	Poor
Rigano 2001	No	Unc	Unc	Unc	Unc	Unc	Unc	Yes	Unc	Poor
Utian (CEE alone arms) 2001	Yes	Yes	Unc	No	Yes	Yes	Yes	Yes	No	Poor
Simon 2001	Unc	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Fair
Soares 2001	Yes	Yes	Yes	Unc	Yes	Yes	Yes	Yes	Yes	Poor
Utian (CEE/MPA arms) 2001	Yes	Yes	Unc	No	Yes	Yes	Yes	Yes	No	Poor
Rozenbaum 2002	Yes	Unc	Unc	Yes	No	Unc	Yes	Yes	Yes	Poor
Shulman (Study 1) 2002	Yes	Yes	Unc	Unc	No	Yes	Yes	Yes	Yes	Fair
von Holst 2002	Unc	Yes	Unc	Unc	No	Yes	Yes	Yes	Yes	Poor
Archer 2003	Unc	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Poor
Vestergaard 2003	No	No	No	Yes	No	Yes	Yes	Yes	Yes	Poor
Speroff 2003	Yes	Yes	Unc	Unc	Yes	Yes	Yes	Yes	Yes	Fair
Jirapinyo 2003	Unc	Yes	Unc	No	Yes	Yes	Yes	Yes	No	Poor
Haines 2003	Yes	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Fair
Hays 2003	Yes	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Good
Gambacciani 2003	Unc	Unc	Unc	Yes	No	Yes	Yes	Yes	Yes	Poor
Gelfand 2003	Yes	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Fair
Wren 2003	Unc	Unc	Unc	Yes	No	Unc	Yes	Yes	No	Poor
Simunic 2003	Yes	Yes	Unc	Unc	Unc	Yes	Yes	Yes	Unc	Poor
Parsons 2003	Yes	No	Yes	Yes	No	No	Yes	Yes	Unc	Poor
Berlex (SIP) 2003	Unc	Unc	Unc	Unc	Yes	Yes	Yes	Yes	Unc	Poor
Rudolph 2004	Yes	Yes	Unc	Yes	Yes	Yes	Yes	Yes	Yes	Poor
Yang 2004	Unc	Yes	Unc	Yes	Yes	Yes	Yes	Yes	Unc	Poor
Schurmann 2004	Unc	Yes	Unc	Unc	No	Yes	Yes	Yes	Yes	Poor
Utian 2004	Yes	Yes	Unc	No	Yes	Yes	Yes	Yes	Yes	Poor
Dessole 2004	No	Yes	Unc	Unc	No	Yes	Yes	Yes	Yes	Poor
Duramed (SIP) 2004	Unc	Unc	Unc	Unc	Unc	Yes	Yes	Yes	Yes	Poor

<b>Study</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q5</b>	<b>Q6</b>	<b>Q7</b>	<b>Q8</b>	<b>Q9</b>	<b>Overall</b>
Brunner 2005	Yes	Yes	Unc	Yes	No	Yes	Yes	Yes	Unc	Poor
Onalan 2005	Yes	Yes	Unc	Yes	Yes	Unc	Yes	Yes	Unc	Poor
Bayer Healthcare (SIP) 2005	Unc	Unc	Unc	Unc	Unc	Yes	Yes	Yes	Unc	Poor
Novartis (SIP) 2005	Unc	Unc	Unc	Unc	Unc	Yes	Yes	Yes	Unc	Poor
Speroff (Study 1) 2006	Yes	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Good
Simon 2006	Unc	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Poor
Nielsen 2006	Unc	Yes	Unc	Unc	Yes	Yes	Yes	Yes	Yes	Poor
Osmanagaoglu 2006	Unc	No	Unc	Unc	No	No	Yes	Yes	Unc	Poor
Speroff (Study 2) 2006	Yes	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Fair
Bachmann (d) 2007	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Good
Maki 2007	Unc	Yes	Unc	Unc	No	Yes	Yes	Yes	Yes	Poor
Endrikat 2007	Unc	Yes	Unc	Yes	No	Yes	Yes	Yes	Unc	Poor
Lee 2007	No	Yes	Unc	Yes	Yes	Yes	Yes	Yes	No	Poor
Panay 2007	No	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Poor
Simon 2007	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Good
Pefanco 2007	Yes	Yes	No	Yes	Yes	Yes	Yes	Unc	Yes	Poor
Bayer Healthcare (SIP) 2007	Unc	Unc	Unc	Unc	Yes	Yes	Yes	Yes	Unc	Poor
Buster (Study 1) 2008	Yes	No	Unc	No	Yes	Yes	Yes	Yes	Yes	Poor
Veerus 2008	Unc	No	No	Unc	Unc	No	Yes	Yes	Yes	Poor
Davis 2008	Yes	Yes	Unc	Unc	Yes	Yes	Yes	Yes	Yes	Poor
Bachmann 2008	No	Yes	Unc	Unc	No	Yes	Yes	Yes	Yes	Good
Welton 2008	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Good
Buster (Study 2) 2008	Yes	No	Unc	No	Yes	Yes	Yes	Yes	Yes	Poor
Buster (Study 3) 2008	Yes	No	Unc	No	Yes	Yes	Yes	Yes	Yes	Poor
Simon (SIP) 2008	No	Yes	Unc	Yes	Yes	Yes	Yes	Yes	Yes	Poor
Benster 2009	Yes	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Fair
Utian 2009	Yes	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Fair
Lobo 2009	Yes	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Fair
Haines 2009	Unc	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Poor
Bachmann (d) 2009	Yes	Yes	Unc	Yes	No	Yes	Yes	Yes	Unc	Poor

<b>Study</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q5</b>	<b>Q6</b>	<b>Q7</b>	<b>Q8</b>	<b>Q9</b>	<b>Overall</b>
Hedrick 2009	Unc	Yes	Unc	Yes	No	No	Yes	Yes	Yes	Poor
Baksu 2009	Yes	No	No	Unc	No	No	Yes	Yes	Unc	Poor
Bachmann (Study 1) 2009	Unc	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Poor
Freedman 2009	No	Yes	Unc	Unc	No	Yes	Yes	Yes	Yes	Poor
Gast 2009	Unc	Yes	Unc	No	Yes	Yes	Yes	Yes	Yes	Poor
Bachmann (Study 2) 2009	Unc	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Poor
Hassa 2010	Unc	No	Unc	Yes	No	Yes	Yes	Yes	Unc	Poor
Stevenson 2010	Yes	Yes	Unc	Unc	Unc	Yes	Yes	Yes	Yes	Poor
Bachmann 2010	Yes	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Fair
Raghunandan 2010	Unc	Unc	Unc	Unc	Unc	Unc	Yes	Yes	Unc	Poor
Hedrick 2010	Yes	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Good
Liu 2011	Unc	Yes	Unc	Unc	Unc	Yes	Yes	Yes	Unc	Poor
Lin 2011	Unc	Yes	Unc	No	Yes	Yes	Yes	Yes	Yes	Poor
Demetrio 2011	Unc	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Poor
Liu 2012	Unc	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Poor
Archer 2012	Unc	Yes	Unc	Yes	Yes	Yes	Yes	Yes	Unc	Poor
Archer 2012	Yes	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Fair
Cano 2012	Yes	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Fair
Polisseni 2013	Yes	Yes	Unc	Yes	No	Yes	Yes	Yes	Unc	Poor
Raz 2013	Yes	Yes	Unc	Unc	Unc	Yes	Yes	Yes	Unc	
Archer 2013	Yes	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Fair
Pinkerton 2013	Yes	Yes	Unc	Yes	No	Yes	Yes	Yes	Yes	Fair

(a): data came from a conference abstract; (c): data came from posted results on the clinical trial registry; CEE: conjugated equine estrogen; (d): duplicate patient population with other included article; (m): trial contains data from multiple publications; MPA: medroxyprogesterone acetate; (SIP); data came from a package insert; Unc: uncertain

Q1: Was initial assembly of comparable groups: adequate randomization including equal distribution of potential confounders?

Q2: Were the researchers and subjects blinded to the study group assignment?

Q3: Was there adequate concealment of the study group assignments?

Q4: Was there maintenance of comparable groups (includes attrition, crossovers, adherence and contamination)?

Q5: Was there important differential loss to follow-up or overall high loss to follow-up?

Q6: Were measurements equal, reliable and valid (includes masking of outcome assessment)?

Q7: Were definitions of interventions clear?

Q8: Were all important outcomes considered and defined?

Q9: At analysis, was there adjustment for potential confounders (cohort studies) and intention-to-treat analysis (RCTs)?

Q10: Overall Quality Assessment