Supplemental Table 1. Assessment of bias in the included randomized controlled trials including assessments of randomization, allocation concealment, blinding, data reporting, and declaration of conflicts of interest.

Authors	Randomization	Allocation concealment	Blinding of participants	Blinding of outcomes	Complete data reporting	Analysis type	Conflicts of interest or pharma sponsorship	Trial Registry
Sohn et al. 1999	Permuted block design	None	None	None	No	Per protocol	Not stated	Not stated
Williams et al. 2001	Sealed envelope technique	None	None	None	No	Per protocol	Not stated	Not stated
Fanchin et al. 2001	Not stated	None	None	None	No	Per protocol	Not stated	Not stated
Baruffi et al. 2003	Drawing lots, using randomization table	None	None	None	No	Per protocol	Not stated	Not stated
Mochtar et al. 2006	Sealed envelope	None	None	None	Yes	Intent to treat	Not stated	Not stated

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1   **Supplemental Figure 1: PRISMA flow diagram of study selection.**

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Supplemental Addendum: Detailed MEDLINE search strategy.

((((fertilization in vitro[majr] OR IVF[tiab] OR "in-vitro fertilization"[tiab] OR "in-vitro fertilization"[tiab] OR

"assisted reproduction"[tiab] OR "oocyte retrieval"[tiab] OR oocytes/drug effects[majr]) AND ("progesterone

luteal support"[tiab] OR "luteal phase support"[tiab] OR progesterone[majr] OR progesterone[tiab] OR

"intravaginal progesterone"[tiab] OR "vaginal progesterone"[tiab] OR "progesterone vaginal"[tiab] OR

"intramuscular* progesterone"[tiab])) OR ((((fertilization in vitro[majr] OR IVF[tiab] OR "in-vitro

fertilization"[tiab] OR "in-vitro fertilization"[tiab] OR "assisted reproduction"[tiab] OR "oocyte retrieval"[tiab] OR

oocytes/drug effects[majr] OR "assisted reproduction") AND (luteal phase[mh] OR luteal cells[mh]) AND

(progesterone[majr] OR progesterone[tiab] OR "intravaginal progesterone"[tiab] OR "vaginal

progesterone"[tiab] OR "progesterone vaginal"[tiab] OR "intramuscular* progesterone"[tiab]))) AND (

"1990/01/01"[PDat] : "2014/12/31"[PDat]) AND Humans[Mesh] AND English[lang])

Evaluation of articles included in analysis