

**PubMed search strategy:**

(vaginal gel) OR (estrogen gel) OR (estradiol) OR (oxytocin gel) OR (hormonal vaginal gel) OR (non-hormonal vaginal gel) OR (funnel gel)) OR (chamomile gel) AND ((sexual dysfunction) OR (sexual pleasure) OR (sexual function) OR (female sexual function index)

**Web of Science search strategy:**

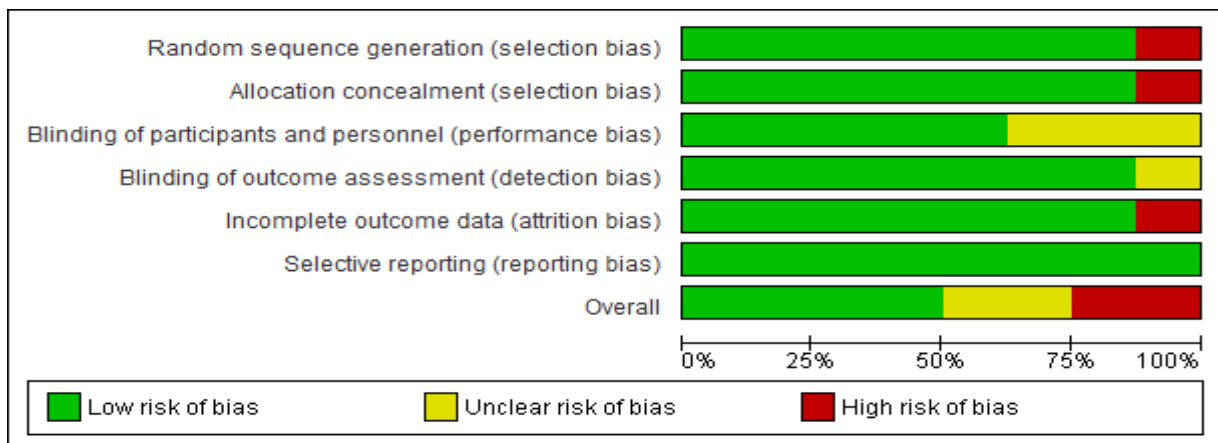
(((((ALL=(vaginal gel)) OR ALL=(estrogen gel)) OR ALL=(estradiol)) OR ALL=(oxytocin gel)) OR ALL=(hormonal vaginal gel)) OR ALL=(non-hormonal vaginal gel)) OR ALL=(funnel gel)) OR ALL=(chamomile gel)) AND ALL=(sexual dysfunction)) OR ALL=(sexual pleasure)) OR ALL=(sexual function)) OR ALL=(female sexual function index)

**Scopus search strategy:**

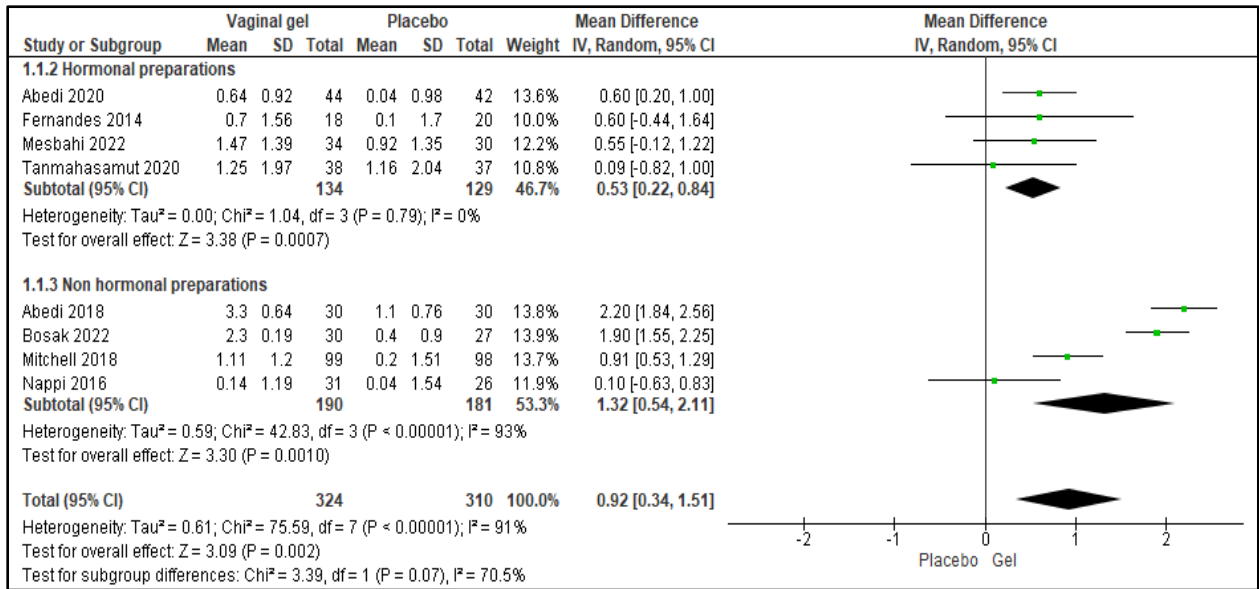
(TITLE-ABS-KEY (vaginal AND gel) OR TITLE-ABS-KEY ( estrogen AND gel ) OR TITLE-ABS-KEY ( estradiol ) OR TITLE-ABS-KEY ( oxytocin AND gel ) OR TITLE-ABS-KEY ( hormonal AND vaginal AND gel ) OR TITLE-ABS-KEY ( non-hormonal AND vaginal AND gel ) OR TITLE-ABS-KEY ( funnel AND gel ) OR TITLE-ABS-KEY ( chamomile AND gel ) AND TITLE-ABS-KEY ( female AND sexual AND function AND index ) )

	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Overall
Abedi 2018	-	-	+	+	+	+	-
Abedi 2020	+	+	?	+	+	+	?
Bosak 2022	+	+	+	+	+	+	+
Fernandes 2014	+	+	?	+	+	+	?
Mesbahi 2022	+	+	+	+	+	+	+
Mitchell 2018	+	+	+	+	+	+	+
Nappi 2016	+	+	?	?	-	+	-
Tanmahasamut 2020	+	+	+	+	+	+	+

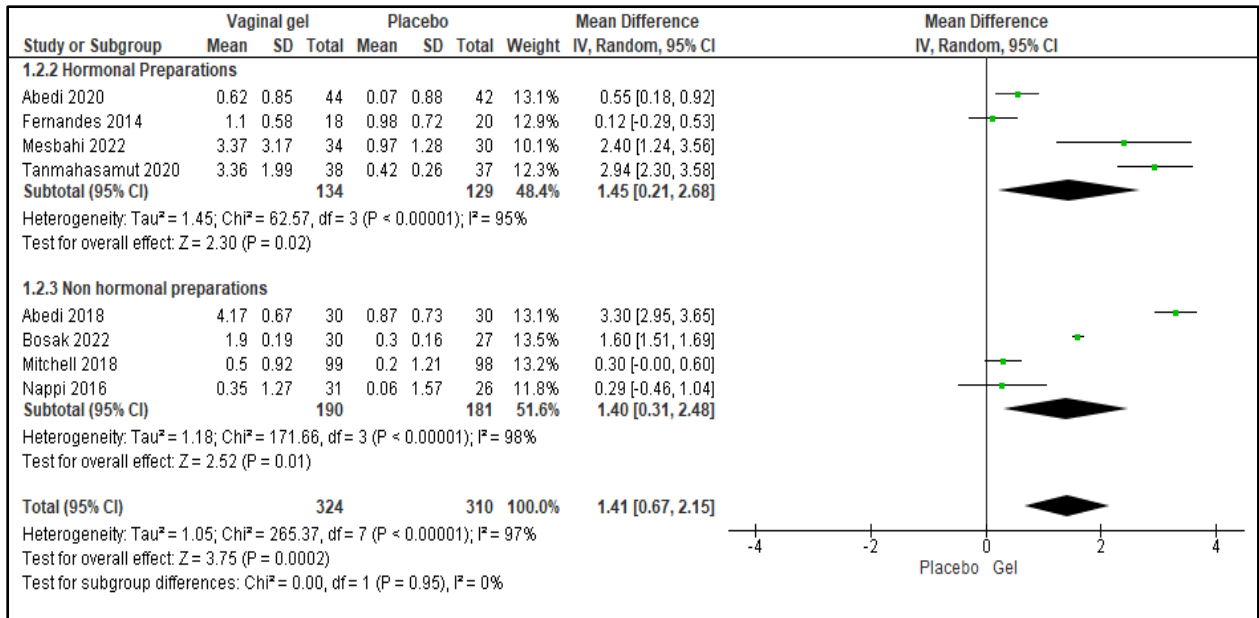
**Supplementary Figure 1:** Risk of bias summary of included studies



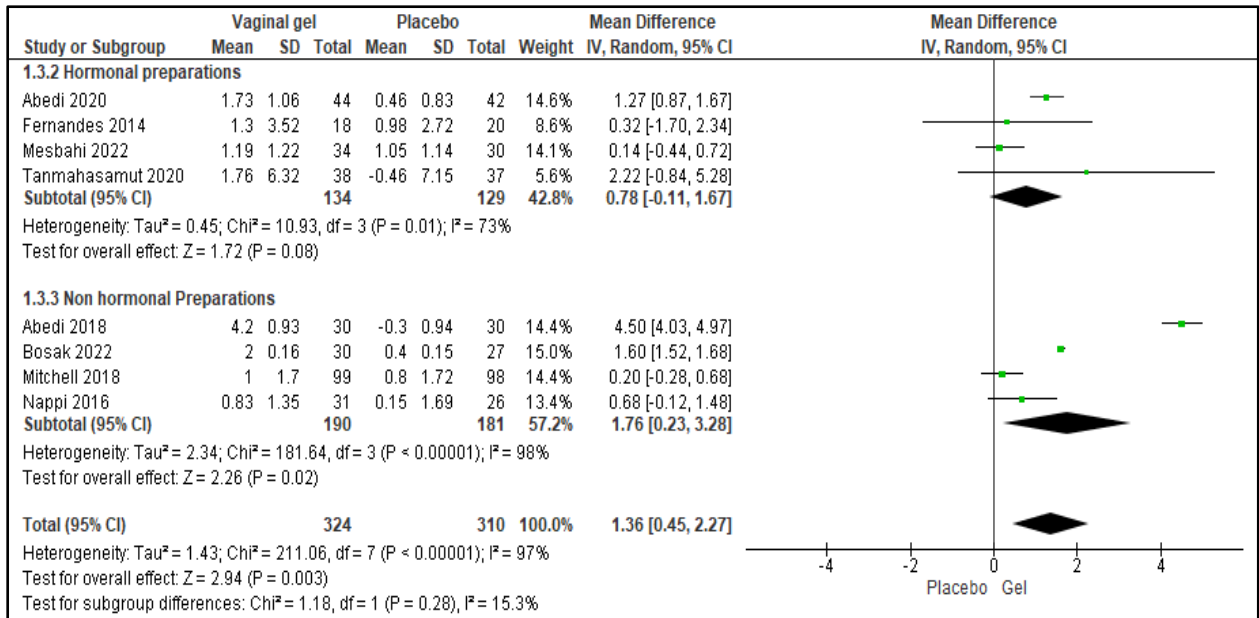
**Supplementary Figure 2:** Risk of bias graph of included studies



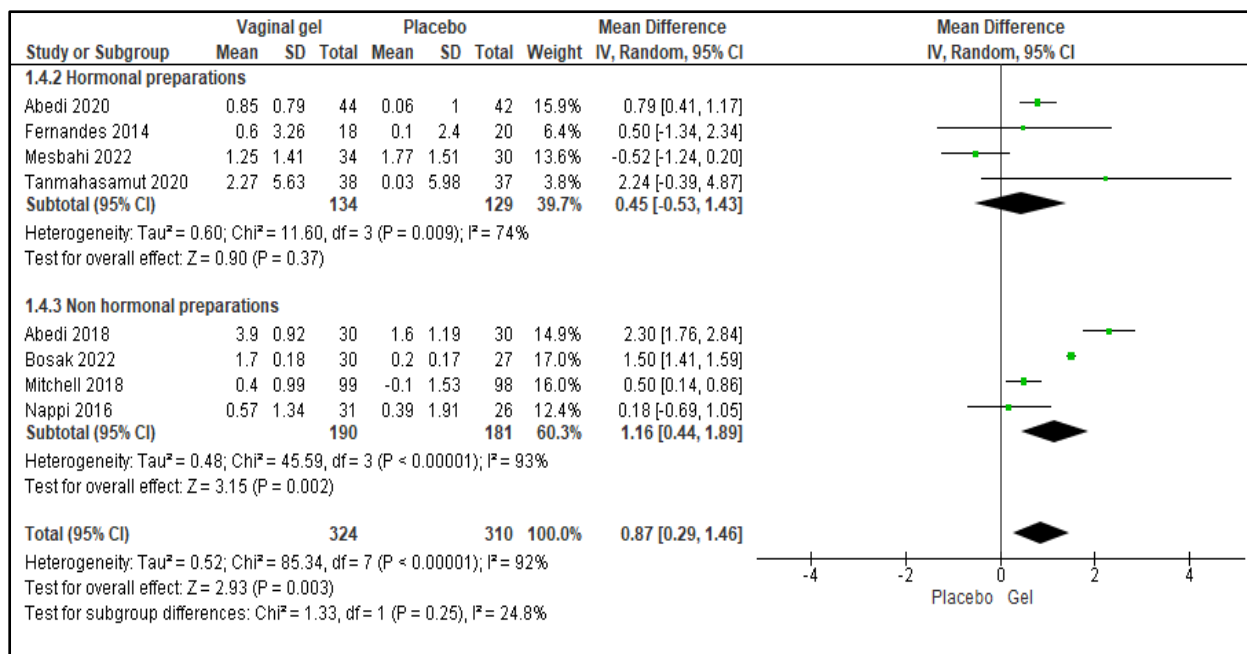
**Supplementary Figure 3:** Meta-analysis of change (pre-/postinterventional) in sexual desire domain of Female Sexual Function Index (FSFI)



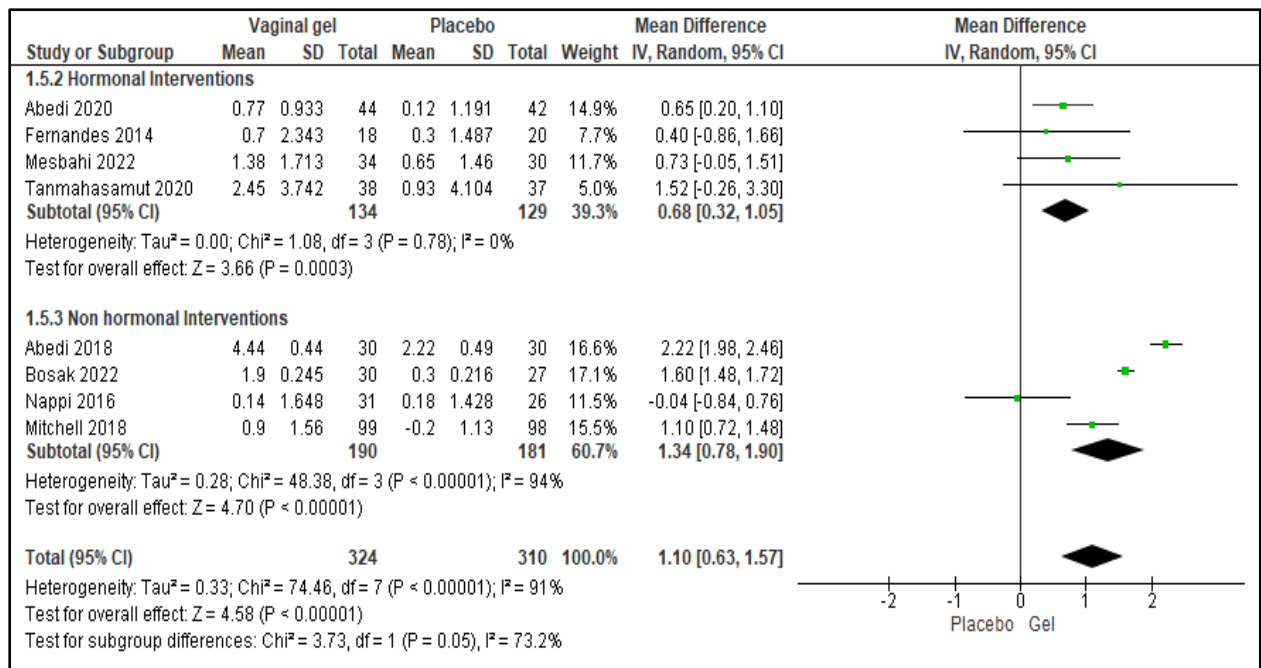
**Supplementary Figure 4:** Meta-analysis of change (pre-/postinterventional) in sexual arousal domain of Female Sexual Function Index (FSFI)



**Supplementary Figure 5: Meta-analysis of change (pre-/postinterventional) in sexual lubrication domain of Female Sexual Function Index (FSFI)**

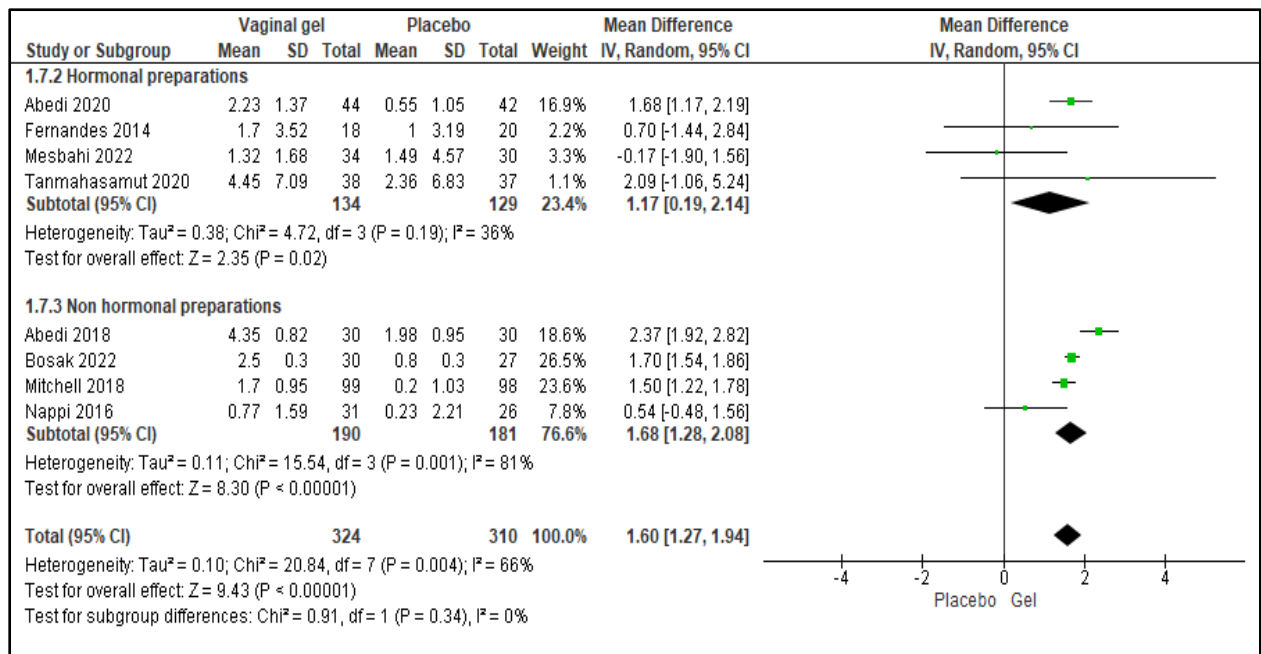


**Supplementary Figure 6:** Meta-analysis of change (pre-/postinterventional) in sexual orgasm domain of Female Sexual Function Index (FSFI)

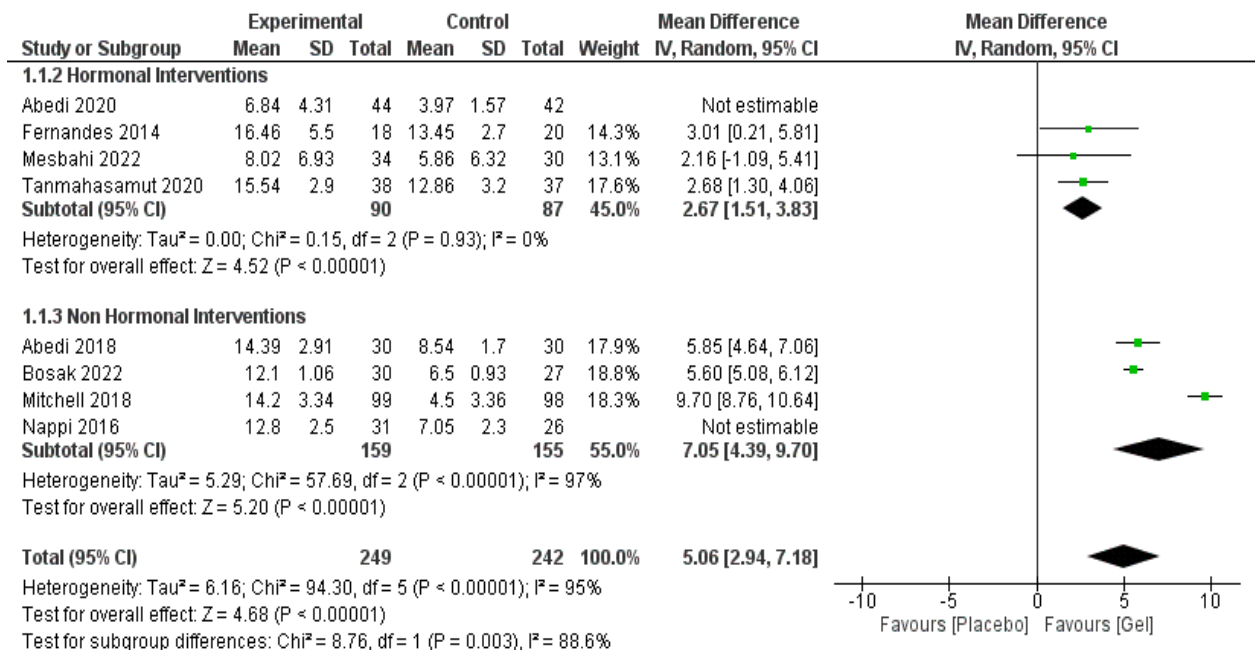


**Supplementary Figure 7:** Meta-analysis of change (pre-/postinterventional) in sexual satisfaction domain of Female Sexual Function Index (FSFI).

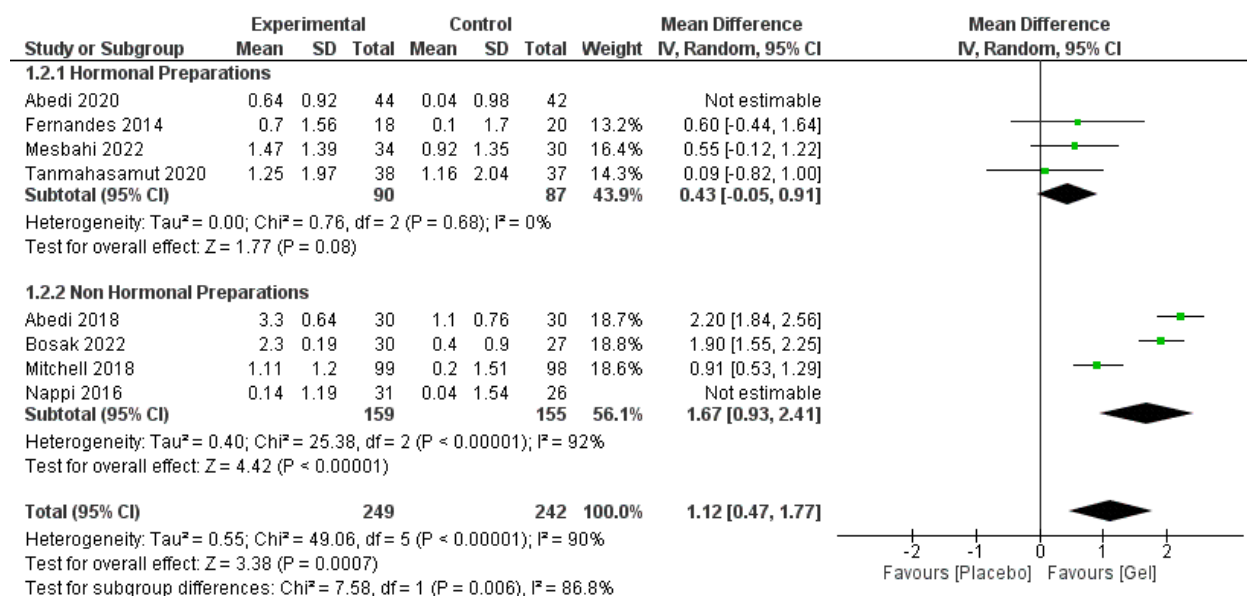




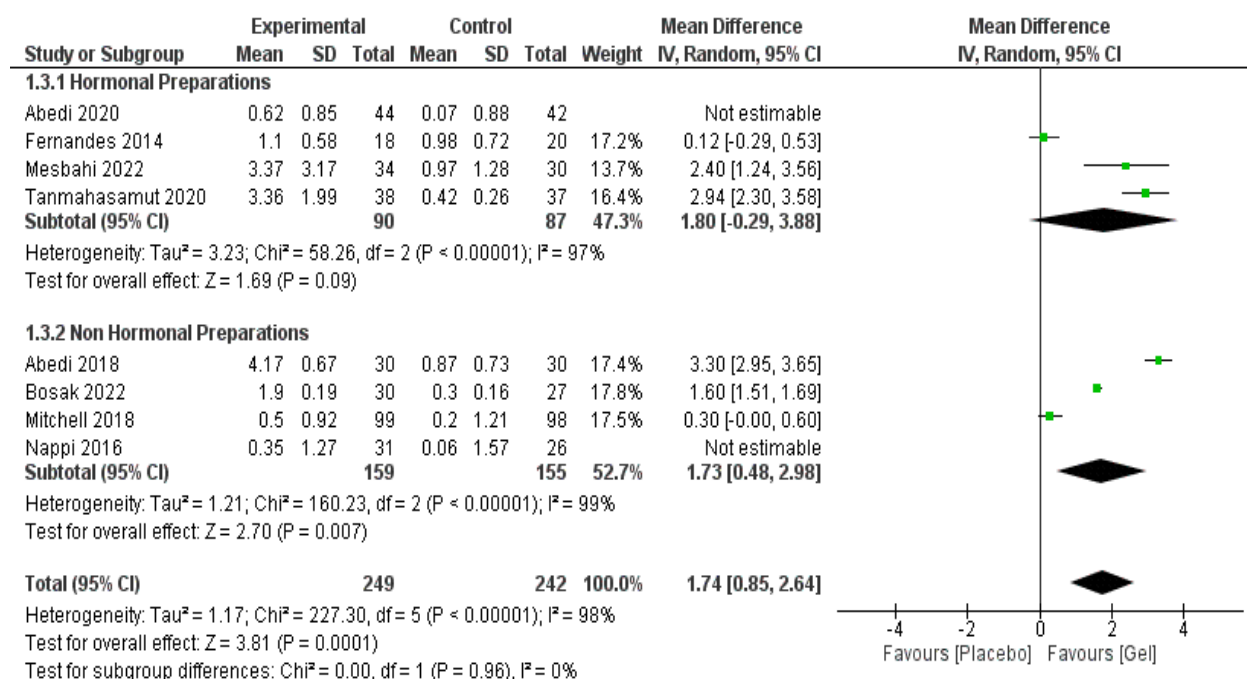
**Supplementary Figure 8:** Meta-analysis of change (pre-/postinterventional) in sexual pain domain of Female Sexual Function Index (FSFI)



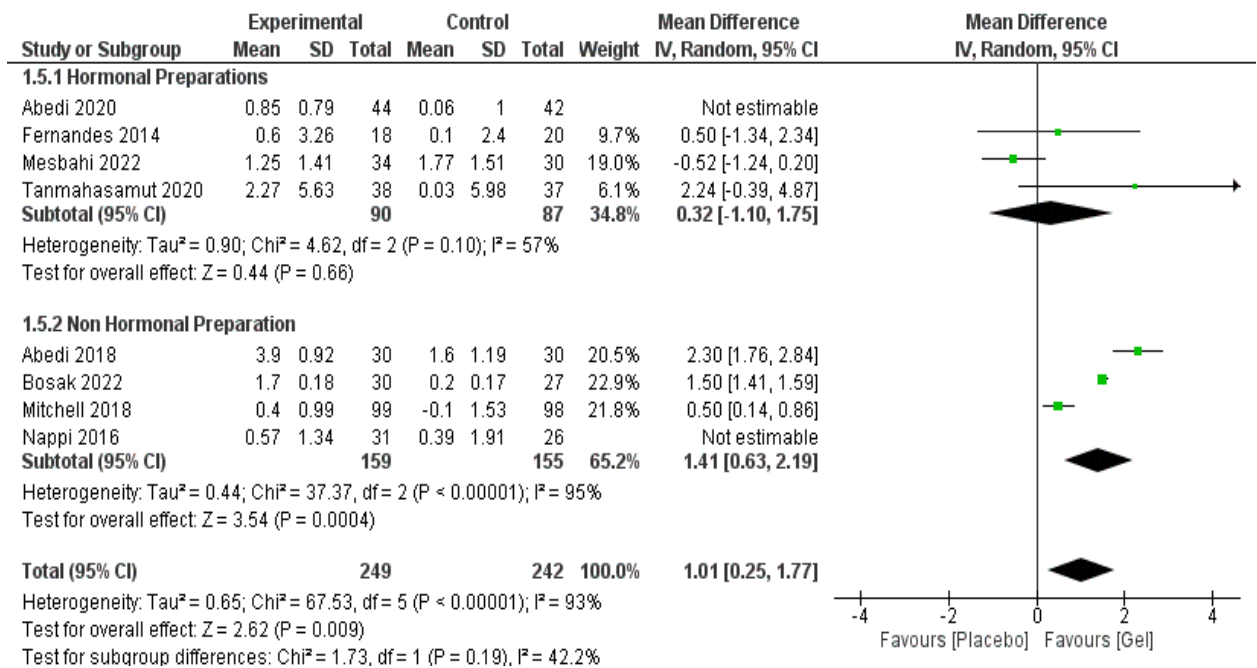
**Supplementary Figure 9:** Leave-one-out sensitivity analysis of change (pre-/postinterventional) in total score of Female Sexual Function Index (FSFI).



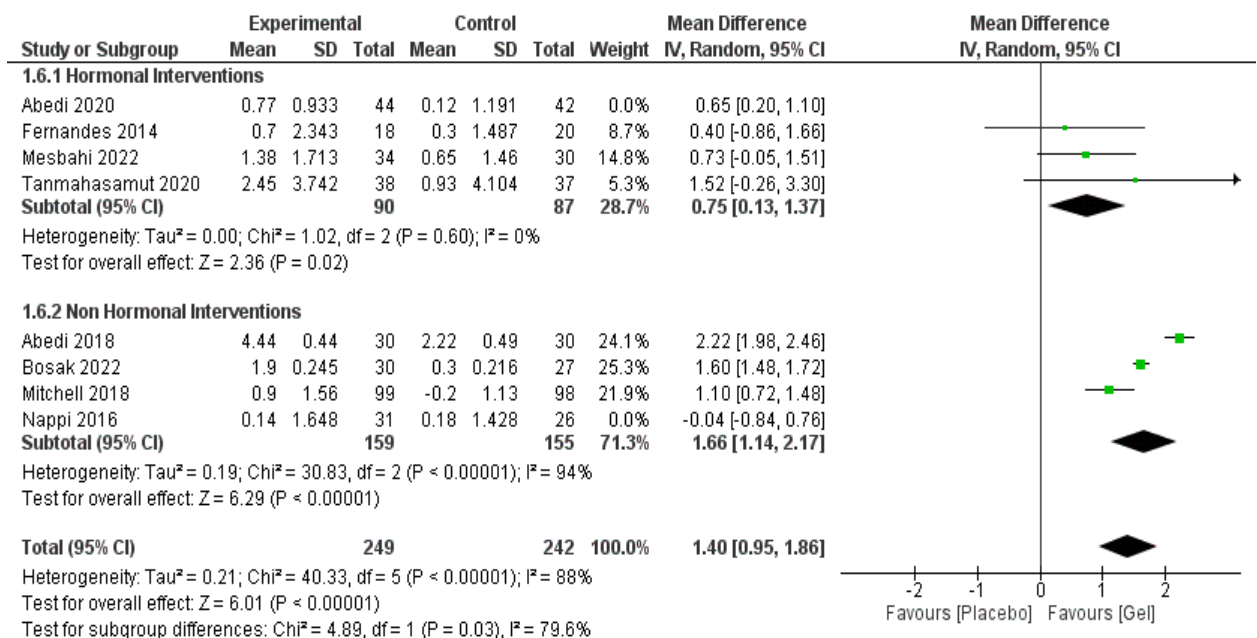
**Supplementary Figure 10:** Leave-one-out sensitivity analysis of change (pre-/postinterventional) in sexual desire domain of FSFI.



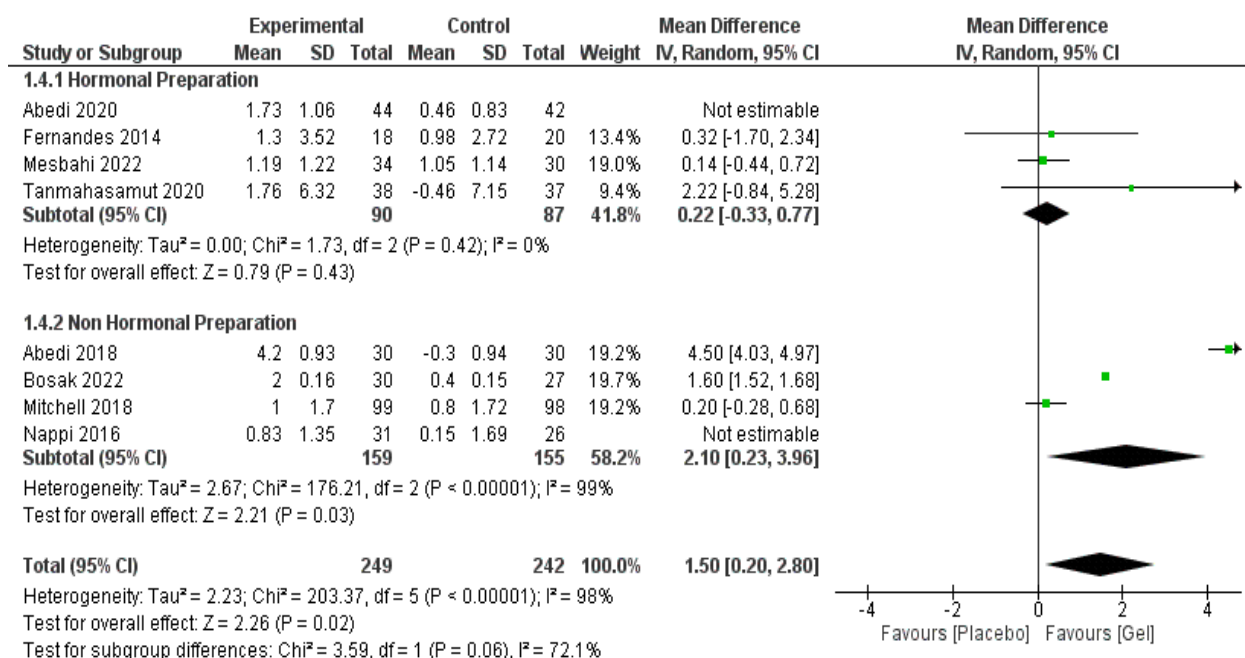
**Supplementary Figure 11:** Leave-one-out sensitivity analysis of change (pre-/postinterventional) in sexual arousal domain of FSFI.



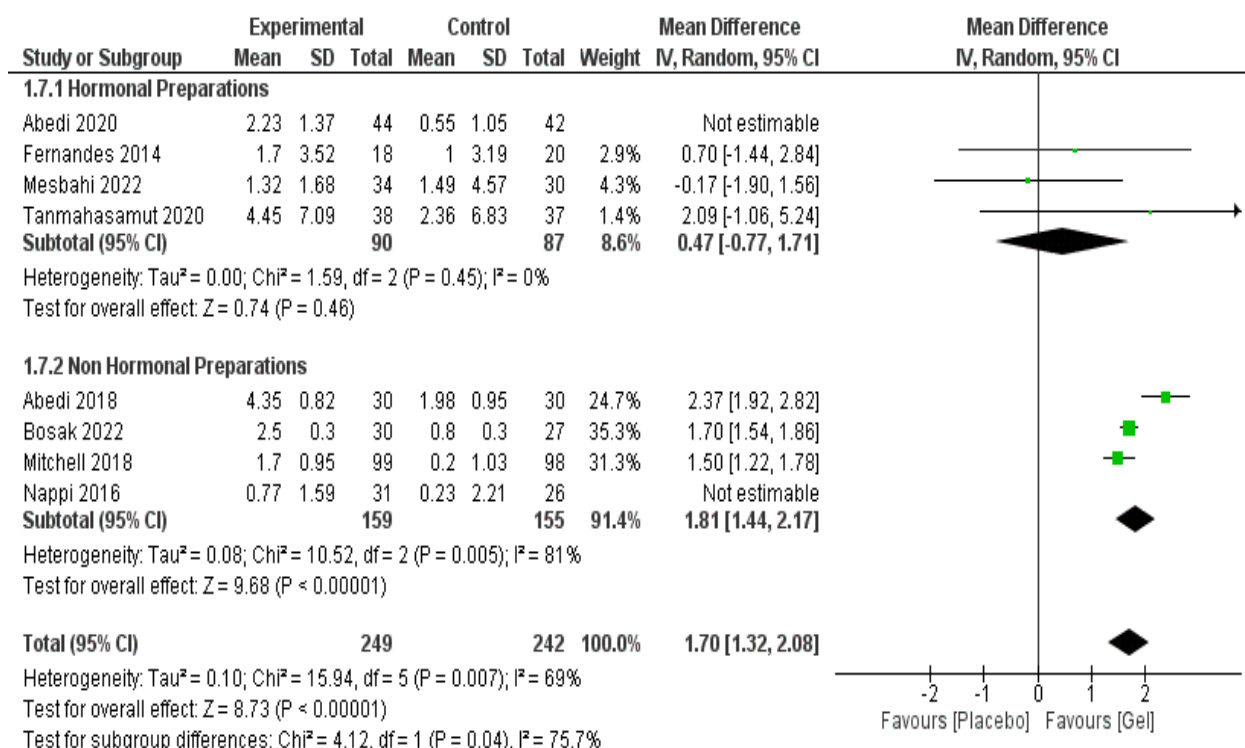
**Supplementary Figure 12:** Leave-one-out sensitivity analysis of change (pre-/postinterventional) in sexual orgasm domain of FSFI.



**Supplementary Figure 13:** Leave-one-out sensitivity analysis of change (pre-/postinterventional) in sexual satisfaction domain of FSFI.



**Supplementary Figure 14:** Leave-one-out sensitivity analysis of change (pre-/postinterventional) in sexual lubrication domain of FSFI.



**Supplementary Figure 15:** Leave-one-out sensitivity analysis of change (pre-/postinterventional) in sexual pain domain of FSFI.