

DRSP 24+4 Efficacy

Pooled Analysis: Studies 301 and 302

	Total (N=1571)		Subjects ≤35 yr (n=1251)	
	PI	95% CI	PI	95% CI
Overall PI	0.72	0.31-1.43	0.93	0.40-1.84
Corrected overall PI ^a	0.79	0.34-1.56	1.02	0.44-2.01

^aCorrected for additional contraception and sexual activity.

- Study 301- Prospective, multicenter (41 EU sites and 753 participants), non-comparative Phase III study aimed to demonstrate the efficacy and safety of DRSP-only oral contraceptive (DRSP 4-mg tablets for 24 days+placebo for 4 days)

1. **Efficacy** - DRSP 24+4 compared to DRSP 24+4+4 (DRSP 4-mg tablets for 24 days+placebo for 4 days)
2. **Relative Safety** - DRSP 24+4 compared to DRSP 24+4+4 (DRSP 4-mg tablets for 24 days+placebo for 4 days)

Fewer Total Bleeding and/or Spotting Days With DRSP

*P=0.0149

DRSP 4mg bleeding patterns

87% of women had a favorable experience with DRSP 4mg 24/4^a

Cluster	% of women	Mean number of days of bleeding/spotting by cycle
1	45	1.24 +/- 0.11
2	14	3.59 +/- 0.17
3	28	4.63 +/- 0.21
4	13	9.33 +/- 0.30

Source: D.Archer Predictors of Unscheduled Spotting and Bleeding in Women using Oral Drospirenone 4.0 mg/24/4 for Contraception- ESC 2018

Safety profile

Frequency >2.0% in Any Group

Preferred Term	DRSP (n=858)		DSG (n=332)	
	n	%	n	%
Vaginal hemorrhage	32	3.7	24	7.2
Headache	38	4.4	17	5.1
Acne	27	3.1	19	5.7
Nasopharyngitis	29	3.4	13	3.9
Cervical dysplasia	26	3.0	11	3.3
Weight increased	21	2.4	6	1.8
Influenza	6	0.7	7	2.1

The most common TEAEs leading to withdrawal

	DRSP n (%)	DSG n (%)
Vaginal hemorrhage	22 (2.6)	18 (5.4)
Acne	9 (1.0)	9 (2.7)
Weight increased	8 (0.9)	3 (0.9)
Uterine hemorrhage	5 (0.6)	3 (0.9)

Safety summary

- 1-No reports of venous thromboembolism during the clinical development program
- 2-No reports of arterial thromboembolism, myocardial infarction, stroke, or pulmonary embolism
- 3-No malignancies were reported
- 4-No clinically relevant changes in hemostatic parameters
- 5-Hyperkalemia
 - Increased blood potassium was reported in 2 subjects with DRSP in study 302, but there were no clinical signs related to hyperkalemia; both increases resolved

Study Key Findings

- DRSP 4mg 24+4 is a novel oestrogen free oral contraceptive that provides clinical efficacy similar to that of the currently marketed combined oral contraceptive
- DRSP 4mg 24+4 has a good safety profile, with no reports of venous thromboembolism during the clinical development program, no reports of arterial thromboembolism, myocardial infarction, stroke, or pulmonary embolism and no clinically relevant changes in hemostatic parameters
- DRSP 4mg 24+4 has demonstrated a better bleeding profile compared to desogestrel, which can lead to better tolerability and acceptance
- The 24 missing pill rule, similar as COCs, is also an important advantage for women and clinicians



Thank you