

SUPPLEMENTARY TABLES

Supplement 1: Crude and adjusted odds ratios for the association between 5ARI exposure and venous thromboembolism stratified by Age: BPH patients aged 40 – 79 in CPRD GOLD 1995 – 2015.

	Cases (n=266)	Controls (n=1061)	Crude OR (95% CI)	Adjusted* OR (95% CI)
Age <70 years				
Timing & Number of 5ARI Prescriptions				
AB only	67 (75.3)	247 (70.4)	1.0 (reference)	1.0 (reference)
Current 1 – 49 5ARI rxs	5 (5.6)	32 (9.1)	0.58 (0.22 – 1.54)	0.79 (0.28 – 2.24)
Current 50+ 5ARI rxs	NR	6 (1.7)	**	**
Recent/Past/Distant past use of 5ARI	6 (6.7)	22 (6.3)	1.01 (0.39 – 2.58)	1.25 (0.46 – 3.42)
5ARI +AB	9 (10.1)	44 (12.5)	0.75 (0.35 – 1.62)	1.27 (0.50 – 3.22)
Age ≥70 years				
Timing & Number of 5ARI Prescriptions				
AB only	102 (57.6)	466 (65.6)	1.0 (reference)	1.0 (reference)
Current 1 – 49 5ARI rxs	23 (13.0)	68 (9.6)	1.55 (0.92 – 2.60)	1.42 (0.83 – 2.45)
Current 50+ 5ARI rxs	14 (7.9)	32 (4.5)	2.00 (1.03 – 3.88)	1.90 (0.95 – 3.80)
Recent/Past/Distant past use of 5ARI	14 (7.9)	58 (8.2)	1.10 (0.59 – 2.05)	1.00 (0.52 – 1.91)
5ARI +AB	24 (13.6)	86 (12.1)	1.28 (0.77 – 2.10)	1.15 (0.65 – 2.04)

Variables are presented as N (%); OR=Odds Ratio; 95%CI=95% Confidence Interval; NR= Not Reportable

Current use = 5ARI use less than 30 days prior to the index date; Recent use = 5ARI use 31 – 119 days prior to the index date; Past use = 5ARI use 120 – 305 days prior to the index date; Distant past use = 5ARI use more than 305 days prior to the index date.

*Adjusted for cardiovascular disease, chronic kidney disease, switch, body mass index and CCI. Conditional on the matching factors.

** Too few cases and/or controls

Supplement 2: Crude and adjusted odds ratios for the association between 5ARI exposure and venous thromboembolism stratified by Obesity Status: BPH patients aged 40 – 79 in CPRD GOLD 1995 – 2015.

	Cases (n=266)	Controls (n=1061)	Crude OR (95% CI)	Adjusted* OR (95% CI)
Obese				
Timing of 5ARI Prescriptions				
AB only	53 (70.7)	145 (66.5)	1.0 (reference)	1.0 (reference)
Current use of 5ARI	12 (16.0)	20 (9.2)	1.64 (0.75 – 3.59)	2.71 (1.10 – 6.68)
Recent/Past/Distant past use of 5ARI	4 (5.3)	20 (9.2)	0.55 (0.18 – 1.68)	0.67 (0.21 – 2.18)
Current use of 5ARI + AB	5 (6.7)	27 (12.4)	0.51 (0.19 – 1.38)	1.40 (0.39 – 5.06)
Recent/Past/Distant past use of 5ARI + AB	NR	6 (2.8)	0.46 (0.05 – 3.88)	0.83 (0.08 – 8.46)
Not Obese				
Timing of 5ARI Prescriptions				
AB only	100 (58.5)	520 (67.0)	1.0 (reference)	1.0 (reference)
Current use of 5ARI	32 (18.7)	109 (14.1)	1.53 (0.98 – 2.39)	1.38 (0.85 – 2.23)
Recent/Past/Distant past use of 5ARI	14 (8.2)	55 (7.1)	1.32 (0.71 – 2.47)	1.29 (0.67 – 2.48)
Current use of 5ARI + AB	19 (11.1)	81 (10.4)	1.22 (0.71 – 2.10)	1.07 (0.58 – 1.99)
Recent/Past/Distant past use of 5ARI + AB	6 (3.5)	11 (1.4)	2.84 (1.03 – 7.85)	2.93 (1.03 – 8.38)
Unknown				
Timing of 5ARI Prescriptions				
AB only	16 (80.0)	48 (71.6)	1.0 (reference)	1.0 (reference)
Current use of 5ARI	NR	NR	**	**
Recent/Past/Distant past use of 5ARI	NR	5 (7.5)	1.20 (0.21 – 6.80)	2.01 (0.19 – 21.50)
Current use of 5ARI + AB	NR	NR	**	**
Recent/Past/Distant past use of 5ARI + AB	NR	9 (13.4)	**	**

Variables are presented as N (%); OR=Odds Ratio; 95%CI=95% Confidence Interval; NR= Not Reportable

Current use = 5ARI use less than 30 days prior to the index date; Recent use = 5ARI use 31 – 119 days prior to the index date; Past use = 5ARI use 120 – 305 days prior to the index date; Distant past use = 5ARI use more than 305 days prior to the index date.

*Adjusted for cardiovascular disease, chronic kidney disease, switch, body mass index and CCI. Conditional on the matching factors.

** Too few cases and/or controls

Supplement 3: Crude and adjusted odds ratios and distribution of exposure at index date among venous thromboembolism cases and matched controls. End of use defined as within 14 days of last prescription length: BPH patients aged 40 – 79 in CPRD GOLD 1995 – 2015.

	Cases (n=266)	Controls (n=1061)	Crude OR	Adjusted* OR
Any Exposure at Index Date				
AB only	169 (63.5%)	713 (67.2%)	Reference	Reference
Current use of 5ARI ± AB	64 (24.1%)	243 (22.9%)	1.26 (0.90 – 1.77)	1.29 (0.85 – 1.94)
Recent/Past/Distant past use of 5ARI ± AB	33 (12.4%)	105 (9.9%)	1.09 (0.70 – 1.69)	1.55 (0.96 – 2.51)
Recency by Exposure at Index Date				
AB only	169 (63.5%)	713 (67.2%)	Reference	Reference
Current use of 5ARI	38 (14.3%)	133 (12.5%)	1.22 (0.80 – 1.85)	1.36 (0.86 – 2.13)
Recent/Past/Distant past use of 5ARI	26 (9.8%)	85 (8.0%)	1.31 (0.81 – 2.13)	1.49 (0.86 – 2.13)
Current use of 5ARI + AB	26 (9.8%)	110 (10.4%)	1.01 (0.62 – 1.64)	1.17 (0.64 – 2.12)
Recent/Past/Distant past use of 5ARI + AB	7 (2.6%)	20 (1.9%)	1.50 (0.61 – 3.70)	1.77 (0.65 – 4.80)

Variables are presented as N (%); OR=Odds Ratio; 95%CI=95% Confidence Interval

Current use = 5ARI use within 14 days prior to the index date; Recent use = 5ARI use 15 – 119 days prior to the index date; Past use = 5ARI use 120 – 305 days prior to the index date; Distant past use = 5ARI use more than 305 days prior to the index date.

*Adjusted for cardiovascular disease, chronic kidney disease, switch, body mass index and CCI. Conditional on the matching factors.

Supplement 4: Crude and adjusted odds ratio for the association between 5ARI exposure and venous thromboembolism stratified by recency of 5ARI or AB use: BPH patients aged 40-79 in CPRD GOLD 1995 – 2015.

	Cases (n=266)	Controls (n=1061)	Crude OR (95% CI)	Adjusted* OR (95% CI)
Current Use				
Exposure at Index Date				
AB only	96 (57.8)	399 (61.5)	1.0 (reference)	1.0 (reference)
5ARI	44 (26.5)	138 (21.3)	1.33 (0.88 – 1.99)	1.31 (0.85 – 2.04)
5ARI + AB	26 (15.7)	112 (17.3)	0.97 (0.60 – 1.56)	0.96 (0.54 – 1.69)
Recent-Past Use				
Exposure at Index Date				
AB	24 (82.8)	44 (67.7)	1.0 (reference)	1.0 (reference)
5ARI	NR	15 (23.1)	0.49 (0.15 – 1.64)	0.56 (0.11 – 2.92)
5ARI + AB	NR	6 (9.2)	0.31 (0.04 – 2.69)	0.11 (0.01 – 1.68)
Distant Use				
Exposure at Index Date				
AB	49 (69.0)	270 (77.8)	1.0 (reference)	1.0 (reference)
5ARI	16 (22.5)	65 (18.7)	1.36 (0.73 – 2.54)	1.50 (0.74 – 3.01)
5ARI + AB	6 (8.5)	12 (3.5)	2.76 (0.99 – 7.69)	3.56 (1.12 – 11.28)

Variables are presented as N (%); OR=Odds Ratio; 95%CI=95% Confidence Interval; NR=Not Reportable; Current use = 5ARI use less than 30 days prior to the index date; Recent use = 5ARI use 30-119 days prior to the index date; Past use = 5ARI use 120-305 days prior to the index date; Distant use = 5ARI use more than 305 days prior to the index date.

*Adjusted for cardiovascular disease, chronic kidney disease, switch, body mass index and CCI. Conditional on the matching factors.