

Final, 3-year results from the 8 highest recruiting countries included in the global, observational XTEND study of real-world proactive regimens with intravitreal aflibercept 2 mg in patients with neovascular age-related macular degeneration

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Disclosures

Disclosures: Presenting author

Jean-François Korobelnik: Consultant for AbbVie, Apellis, Bayer, Eyepoint Pharma, Ocuphire, Roche, Théa Pharmaceuticals, and Carl Zeiss Meditec AG; member of a data safety monitoring board or advisory board for Alexion, Novo Nordisk, and Opthea.

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Introduction



T&E is a proactive, individualized treatment regimen that is used to minimize the risk of disease recurrence, whilst maintaining visual gains and reducing treatment burden associated with anti-VEGF therapy



XTEND^a was a 36-month, multicenter, observational, prospective study recruiting patients from 127 sites in 17 countries¹



The **XTEND study** examined treatment outcomes of **real-world proactive IVT-AFL 2 mg treatment regimens** (fixed dosing or T&E) in treatment-naïve patients with nAMD in routine clinical practice



This final analysis presents the **3-year results** from countries that enrolled **at least 50 patients** in the **XTEND study**

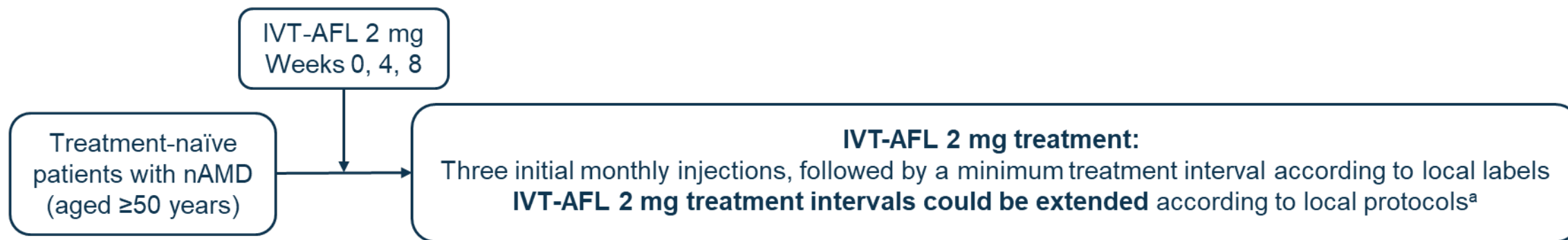


XTEND (NCT03939767) study design and patient demographics



Primary endpoint: Mean change in BCVA (ETDRS letters) from baseline to Month 12

Secondary endpoints included: Mean change in BCVA from baseline to Month 36; mean change in CST from baseline to Month 12 and 36; mean number of IVT-AFL 2 mg injections by Months 12 and 36



	Australia (n=72)	Belgium (n=81)	Canada (n=190)	France (n=149)	South Korea (n=100)	Spain (n=69)	Switzerland (n=51)	UK (n=497)
Age, years	78.7±9.0	79.3±8.3	81.1±8.2	80.6±7.1	72.3±9.1	79.8±6.9	79.2±7.4	79.7±8.1
Female, n (%)	37 (51.4)	53 (65.4)	121 (63.7)	101 (67.8)	46 (46.0)	43 (62.3)	31 (60.8)	319 (64.2)

FAS. Data are mean±SD unless stated otherwise. Decision to treat with an IVT-AFL 2 mg proactive regimen (fixed dosing or T&E) made by the investigator prior to enrollment.

^aTreatment intervals could be extended in 2-week to 4-week increments up to a maximum of 12 or 16 weeks according to the local label.

BCVA, best-corrected visual acuity; CST, central subfield thickness; ETDRS, Early Treatment Diabetic Retinopathy Study; FAS, full analysis set; SD, standard deviation.





Patient baseline demographics

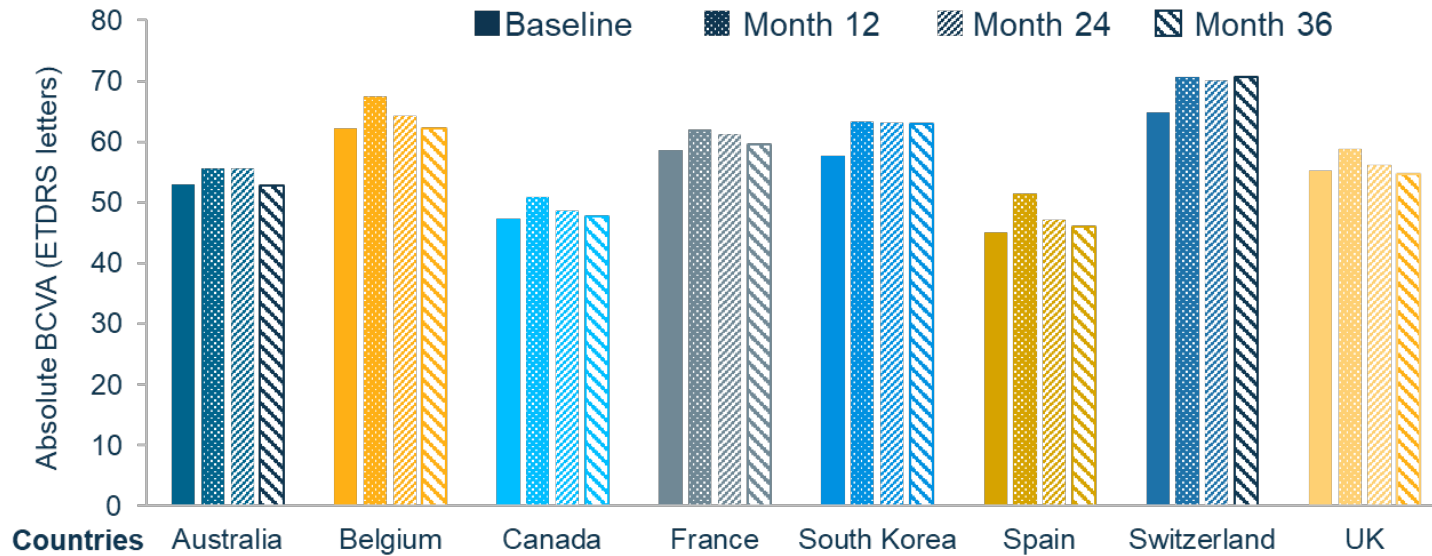
	Australia (n=72)	Belgium (n=81)	Canada (n=190)	France (n=149)	South Korea (n=100)	Spain (n=69)	Switzerland (n=51)	UK (n=497)
Mean BVCA, ETDRS letters ^a	52.9±19.5	62.2±16.4	47.3±22.0	58.7±18.9	57.7±20.3	45.0±23.2	64.9±17.9	55.3±15.8
BCVA letter score category, n (%)								
<35	10 (13.9)	2 (2.5)	35 (18.4)	12 (8.1)	8 (8.0)	19 (27.5)	3 (5.9)	44 (8.9)
≥35 to <70	45 (62.5)	45 (55.6)	121 (63.7)	90 (60.4)	52 (52.0)	35 (50.7)	20 (39.2)	340 (68.4)
≥70	17 (23.6)	34 (42.0)	34 (17.9)	47 (31.5)	40 (40.0)	15 (21.7)	28 (54.9)	113 (22.7)
Mean CST, μm ^b	346±109 n=69	354±96 n=77	364±109 n=167	384±121 n=138	332±126 n=84	395±129 n=68	399±107 n=49	395±143 n=345
Primary intended treatment regimen after initial monthly injections, n (%)								
Proactive T&E	69 (95.8)	81 (100.0)	177 (93.2)	137 (91.9)	81 (81.0)	63 (91.3)	50 (98.0)	378 (76.1)
Proactive fixed treatment	3 (4.2)	0 (0.0)	13 (6.8)	12 (8.1)	19 (19.0)	6 (8.7)	1 (2.0)	119 (23.9)

Across the 8 countries included in this analysis, **1209 patients were included in the FAS**

In total, 514 patients discontinued treatment, including 151 patients who were lost to follow-up



Functional and anatomic outcomes by Month 36



Across the 8 countries included in this analysis, **mean change** (95% CI) in **CST** from baseline to **12 months** was: **-85** (-111, -60) to **-123** (-158, -87) μm ,

from baseline to **24 months** was: **-91** (-118, -63) to **-123** (-157, -89) μm ,

and from baseline to **36 months** was: **-77** (-106, -48) to **-122** (-156, -88) μm

Mean (95% CI) change in BCVA (ETDRS letters^a) from baseline

	Australia (n=72)	Belgium (n=81)	Canada (n=190)	France (n=149)	South Korea (n=100)	Spain (n=69)	Switzerland (n=51)	UK (n=497)
Baseline	52.9±19.5	62.2±16.4	47.3±22.0	58.7±18.9	57.7±20.3	45.0±23.2	64.9±17.9	55.3±15.8
M12	2.7 (-0.0, 5.5)	5.2 (2.6, 7.8)	3.6 (1.0, 6.2)	3.6 (0.9, 6.3)	5.6 (2.6, 8.7)	6.5 (-0.8, 13.8)	5.7 (1.9, 9.4)	3.4 (2.0, 4.9)
M24	2.8 (-0.4, 5.9)	2.0 (-1.8, 5.9)	1.4 (-1.7, 4.4)	2.4 (-0.3, 5.2)	5.5 (2.1, 8.8)	2.1 (-4.9, 9.1)	5.3 (1.1, 9.5)	0.9 (-0.6, 2.5)
M36	-0.1 (-3.7, 3.6)	-0.0 (-3.4, 3.3)	0.4 (-2.6, 3.5)	0.9 (-2.3, 4.1)	5.3 (1.7, 8.9)	1.0 (-6.5, 8.5)	5.8 (0.9, 10.7)	-0.6 (-2.4, 1.2)

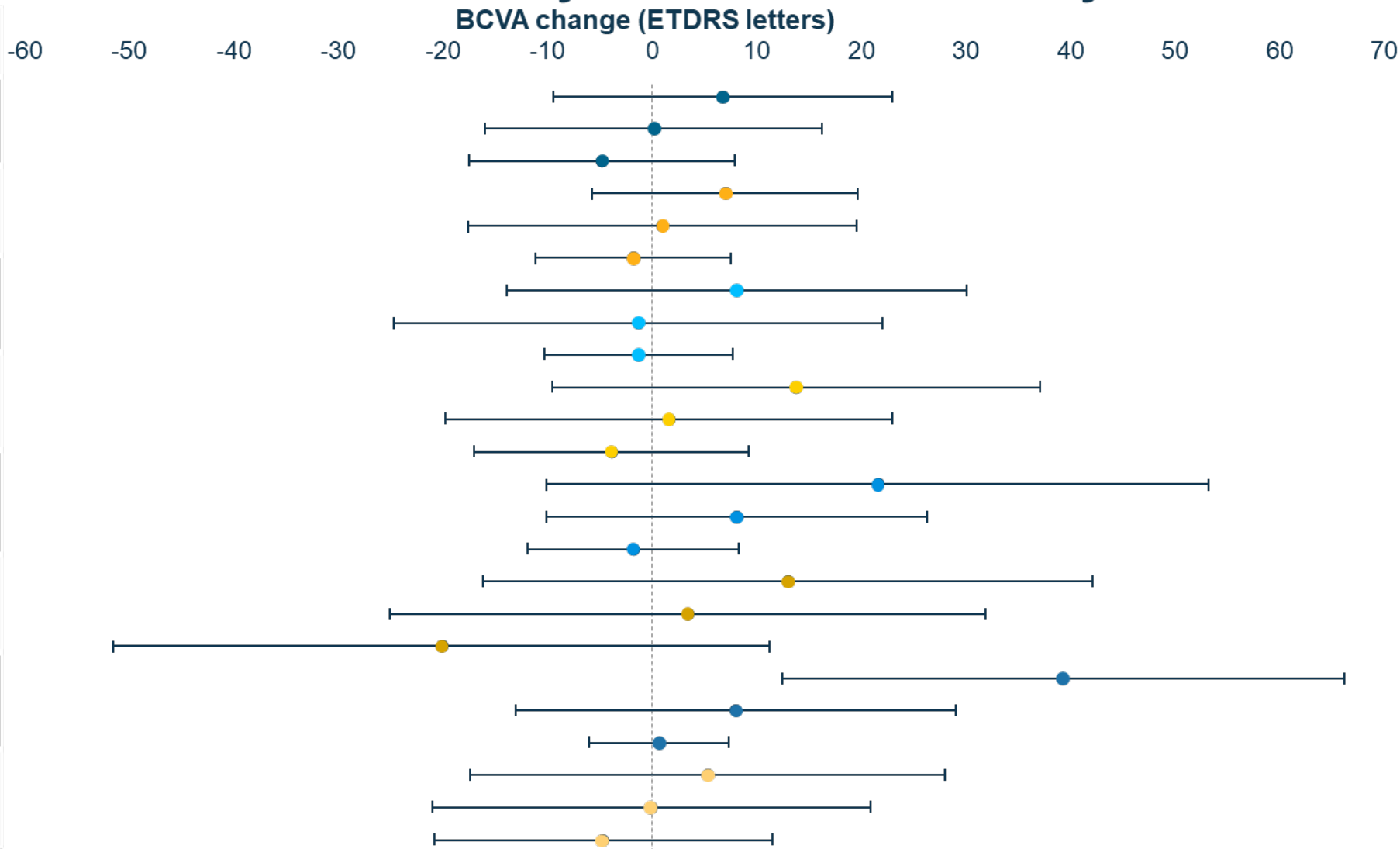
FAS, LOCF. Data are mean±SD unless otherwise stated. ^aETDRS or Snellen chart with conversion to ETDRS were recommend to measure BCVA. CI, confidence interval; LOCF, last observation carried forward, M, month.





Visual outcomes at 36 months stratified by baseline visual acuity

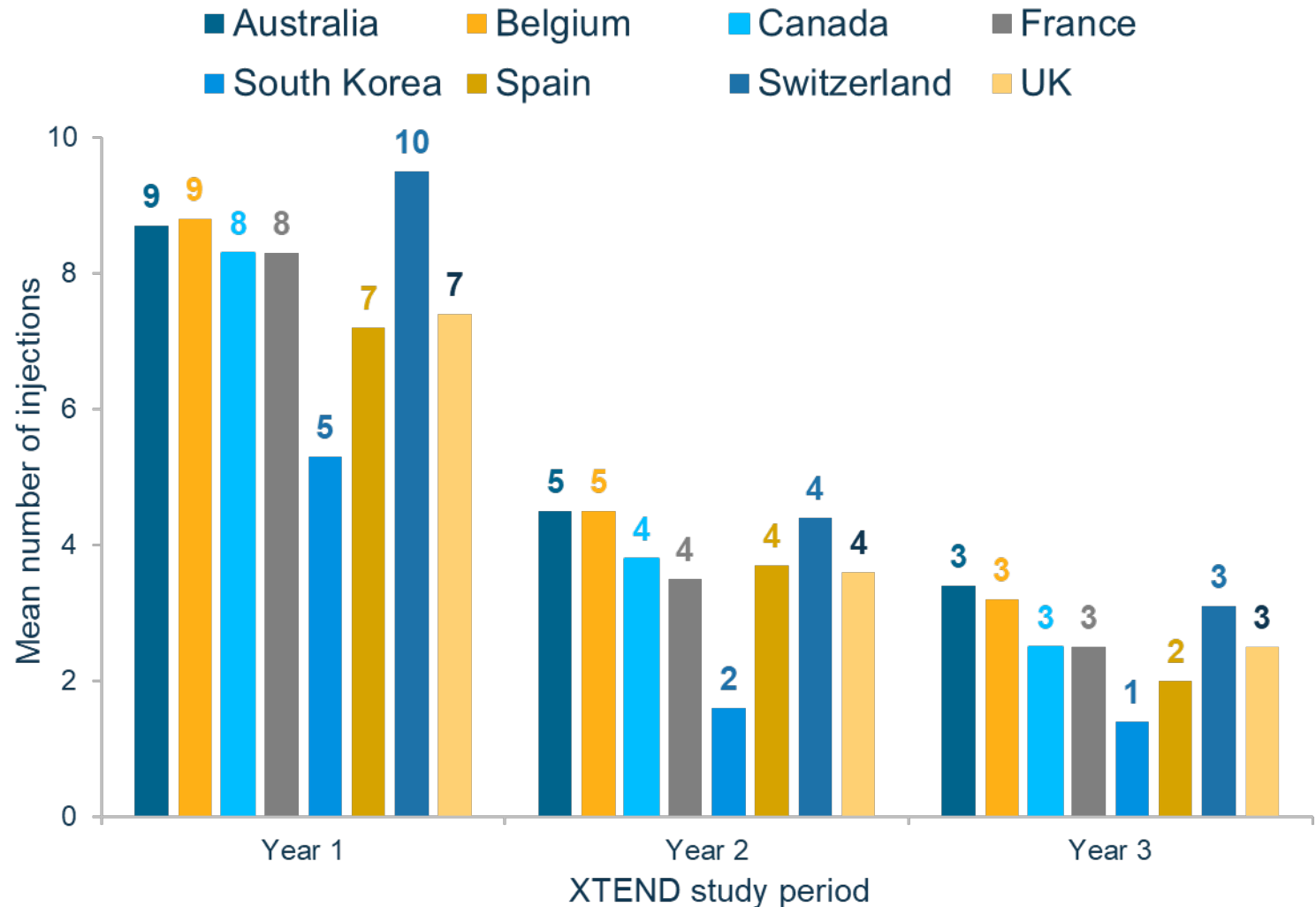
	Baseline BCVA (ETDRS letters)	BCVA change at M36 ^a
Australia (n=72)	<35 (n=10)	6.8
	≥30-<70 (n=45)	0.2
	≥70 (n=17)	-4.8
Belgium (n=81)	<35 (n=2)	7.0
	≥35-<70 (n=45)	1.0
	≥70 (n=34)	-1.8^b
Canada (n=190)	<35 (n=35)	8.1
	≥35-<70 (n=121)	-1.3
	≥70 (n=34)	-1.3^b
France (n=149)	<35 (n=12)	13.8
	≥35-<70 (n=90)	1.6
	≥70 (n=47)	-3.9^b
South Korea (n=100)	<35 (n=8)	21.6
	≥35-<70 (n=52)	8.1
	≥70 (n=40)	-1.8^b
Spain (n=69)	<35 (n=19)	13.0
	≥35-<70 (n=35)	3.4
	≥70 (n=15)	-20.1
Switzerland (n=51)	<35 (n=3)	39.3
	≥35-<70 (n=20)	8.0
	≥70 (n=28)	0.7^b
UK (n=497)	<35 (n=44)	5.3
	≥35-<70 (n=340)	-0.1
	≥70 (n=113)	-4.7





Treatment exposure – number of injections

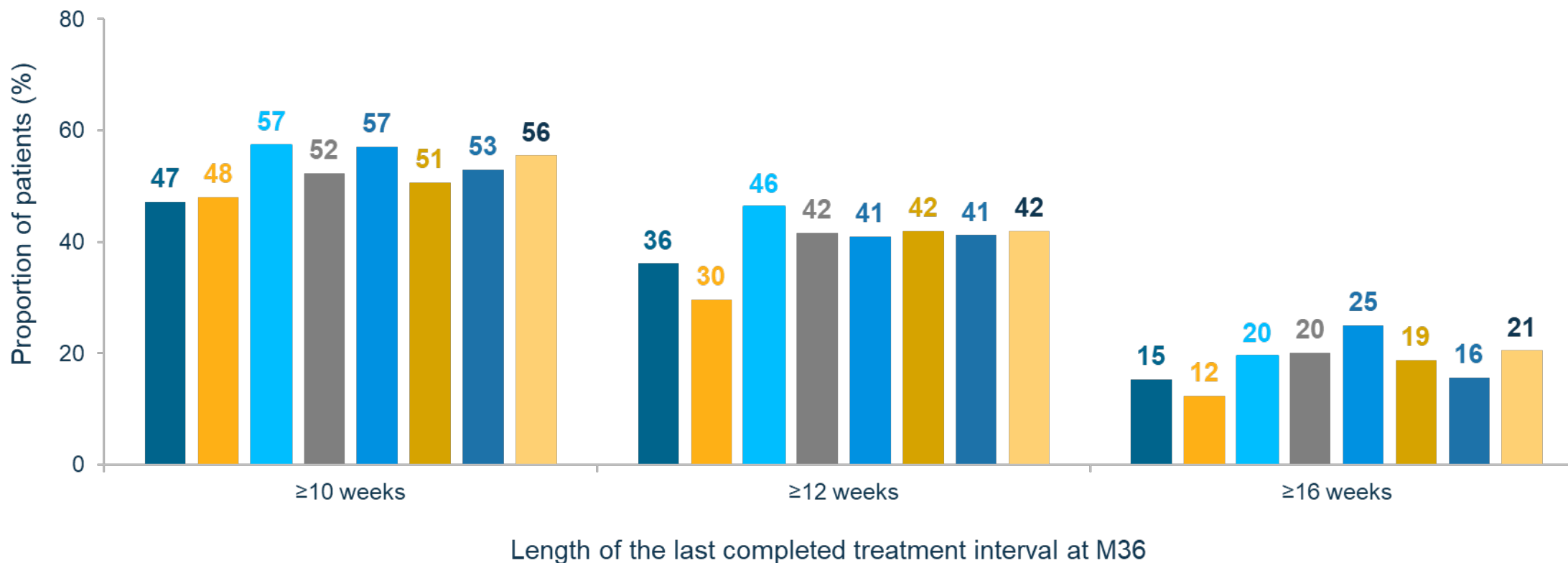
Mean (95% CI) BCVA change at:	M12	M24	M36
Australia (n=72)	2.7 (-0.0, 5.5)	2.8 (-0.4, 5.9)	-0.1 (-3.7, 3.6)
Belgium (n=81)	5.2 (2.6, 7.8)	2.0 (-1.8, 5.9)	-0.0 (-3.4, 3.3)
Canada (n=190)	3.6 (1.0, 6.2)	1.4 (-1.7, 4.4)	0.4 (-2.6, 3.5)
France (n=149)	3.6 (0.9, 6.3)	2.4 (-0.3, 5.2)	0.9 (-2.3, 4.1)
South Korea (n=100)	5.6 (2.6, 8.7)	5.5 (2.1, 8.8)	5.3 (1.7, 8.9)
Spain (n=69)	6.5 (-0.8, 13.8)	2.1 (-4.9, 9.1)	1.0 (-6.5, 8.5)
Switzerland (n=51)	5.7 (1.9, 9.4)	5.3 (1.1, 9.5)	5.8 (0.9, 10.7)
UK (n=497)	3.4 (2.0, 4.9)	0.9 (-0.6, 2.5)	-0.6 (-2.4, 1.2)





Treatment exposure – last treatment interval up to 36 months

■ Australia ■ Belgium ■ Canada ■ France ■ South Korea ■ Spain ■ Switzerland ■ UK





Conclusions



The breadth and diversity of the XTEND study allowed for this **descriptive analysis** of 8 countries that enrolled ≥ 50 patients



Baseline BCVA, age, and CST varied widely from country to country, indicating differing severity of nAMD across the population



There was a **broad range of injection numbers across the 8 countries**, which could be attributed to differences in disease severity, recruiting practices, and **country-specific regulations** and protocols, especially during the COVID-19 pandemic



The safety profile of IVT-AFL 2 mg was consistent with previous studies^{1,2} and is published for XTEND up to Month 24³





Thank you to all XTEND patients and investigators

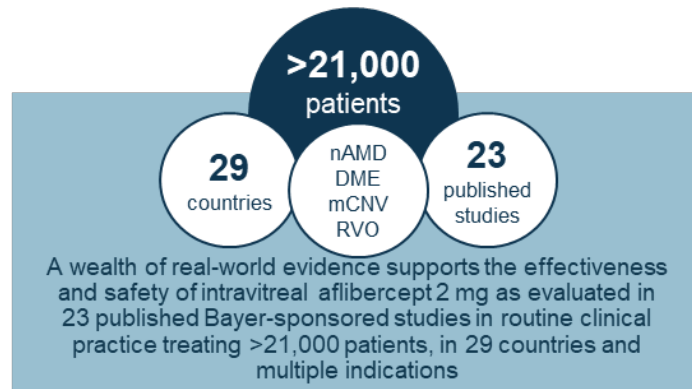
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XTEND¹ is part of the aflibercept RWE program:



World map showing XTEND study site countries only.

DME, diabetic macular edema; **mCNV**, myopic choroidal neovascularization; **RVO**, retinal vein occlusion. **RWE**, real-world evidence.

1. Korobelnik JF, et al. *Ophthalmol Ther* 2024;13:725–38.

