

Andexanet alfa in Factor Xa Inhibitor-Associated Acute Major Bleeding

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- on behalf of the ANNEXA-4 investigators

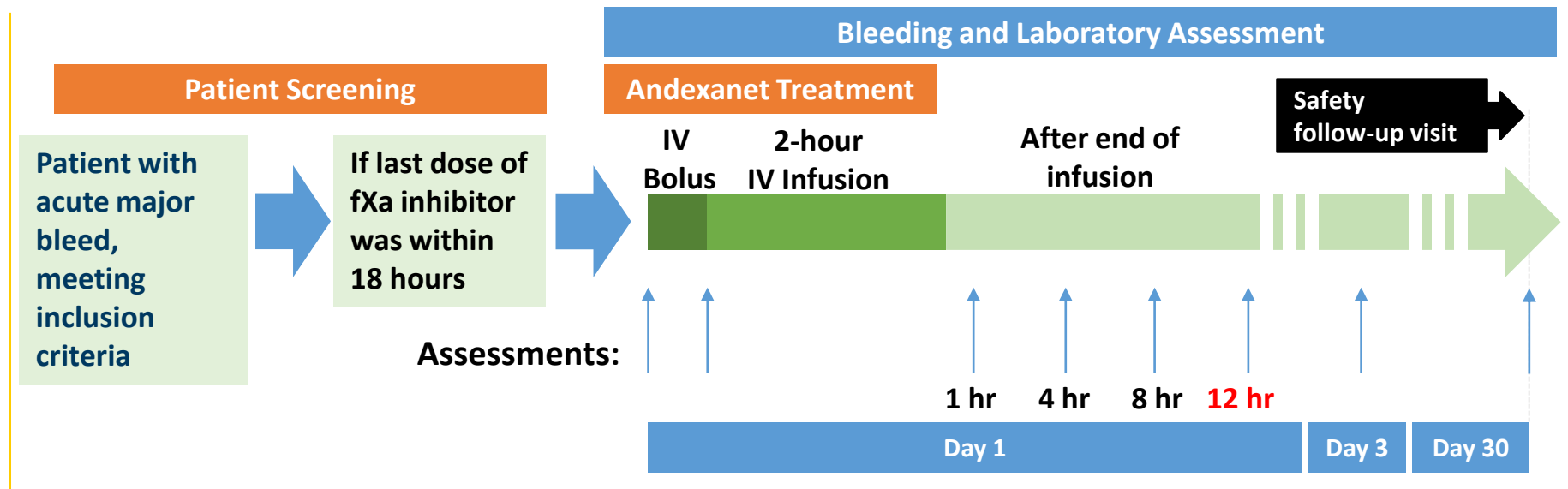


Declaration of Interest

- Consulting/Royalties/Owner/ Stockholder of a healthcare company (Portola Pharmaceutical
- Bayer AG
- Bristol Myers Squibb
- Pfizer
-)



ANNEXA-4 Study Design



Primary Efficacy Measurements

- ◆ Change in anti-FXa activity
- ◆ Clinical hemostatic efficacy through 12 hours
 - ◆ independent adjudication committee
 - ◆ pre-specified precise evaluation criteria

Safety Measurements

- ◆ Overall safety
- ◆ Thrombotic events
- ◆ Antibodies to FX, FXa, andexanet
- ◆ 30-day all-cause mortality

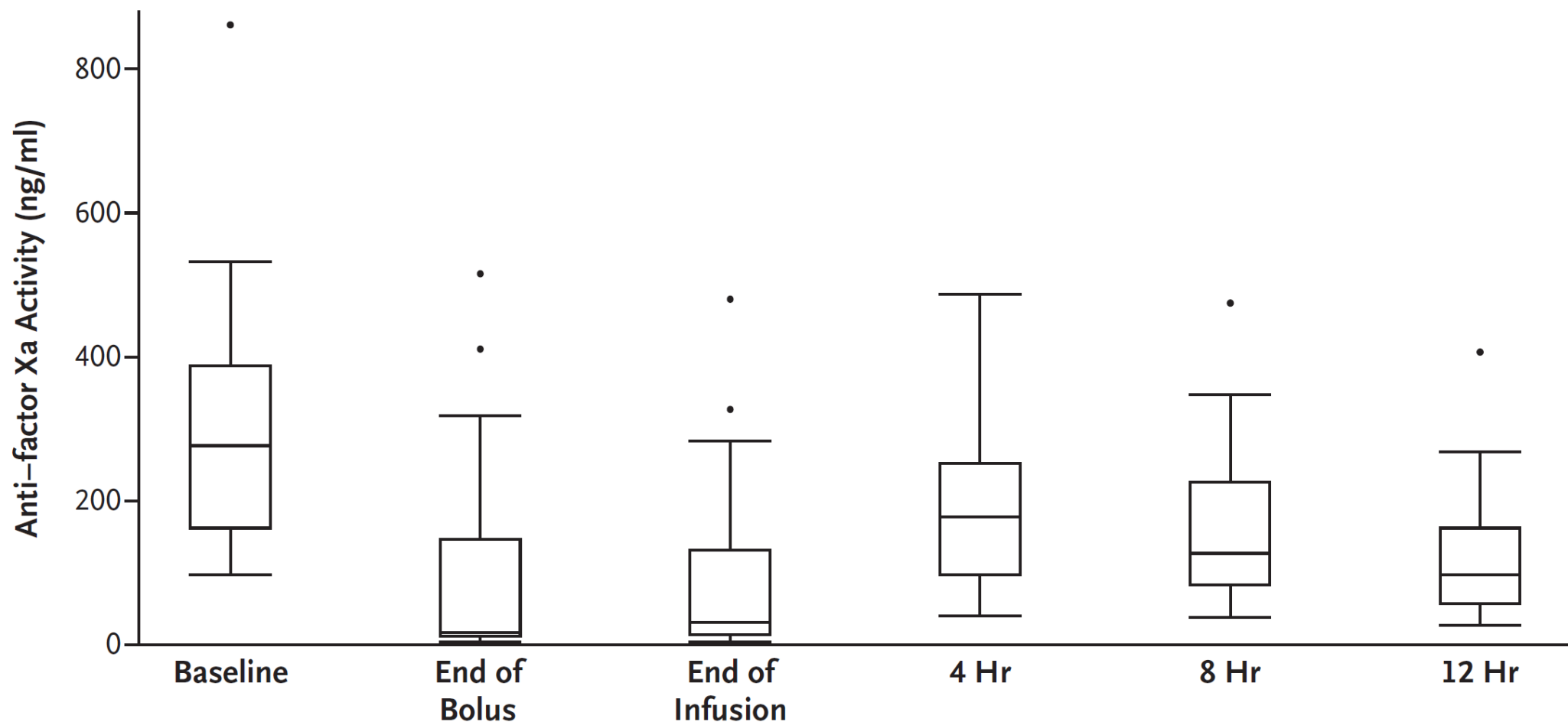
Baseline Characteristics

	Safety Population N=67	Efficacy Population N=47
Age (yr), mean \pm SD	77.1 (10.00)	77.1 (10.08)
Male, n (%)	35 (52.2)	24 (51.1)
White race, n (%)	54 (80.6)	36 (76.6)
Time from presentation until andexanet bolus (hrs), mean \pm SD	4.8 \pm 1.93	4.8 \pm 1.82
Estimated creatinine clearance < 30 mL/min, n (%)	6 (9.0)	4 (8.5)
Indication for anticoagulation		
Atrial fibrillation, n (%)	47 (70.1)	32 (68.1)
VTE *, n (%)	15 (22.4)	12 (25.5)
Atrial fibrillation and VTE *, n (%)	5 (7.5)	3 (6.4)
Medical History		
Myocardial infarction, n (%)	13 (19.4)	7 (14.9)
Stroke, n (%)	17 (25.4)	15 (31.9)
Deep vein thrombosis, n (%)	20 (29.9)	16 (34.0)
Pulmonary embolism, n (%)	6 (9.0)	4 (8.5)
Atrial Fibrillation, n (%)	49 (73.1)	34 (72.3)
Heart Failure, n (%)	23 (34.3)	19 (40.4)
Diabetes mellitus, n (%)	23 (34.3)	17 (36.2)

Site of Bleeding

	Safety Population N=67	Efficacy Population N=47
Gastrointestinal Bleeding, n (%)	33 (49.3)	25 (53.2)
Upper, n (%)	9 (27.3)	7 (28.0)
Lower, n (%)	10 (30.3)	8 (32.0)
Unknown, n (%)	14 (42.4)	10 (40.0)
Intracranial Bleeding, n (%)	28 (41.8)	20 (42.6)
Glasgow Coma Scale, mean \pm SD	14.1 \pm 1.69	14.1 \pm 1.72
Intracerebral site, n (%)	14 (50.0)	12 (60.0)
Sub-dural site, n (%)	11 (39.3)	7 (35.0)
Subarachnoid site, n (%)	3 (10.7)	1 (5.0)
Other Bleeding site, n (%)	6 (9.0)	2 (4.3)
Nasal, n (%)	1 (16.7)	0 (0.0)
Pericardial/pleural/retroperitoneal, n (%)	3 (50.0)	1 (50.0)
Genital/urinary, n (%)	1 (16.7)	1 (50.0)
Articular, n (%)	1 (16.7)	0 (0.0)

Anti-factor Xa Activity: Rivaroxaban n= 26



Median
Percent Change
(95% CI)

277.0

16.8

-89 (-58 to -94)

30.6

-86 (-55 to -93)

177.7

-39 (-27 to -45)

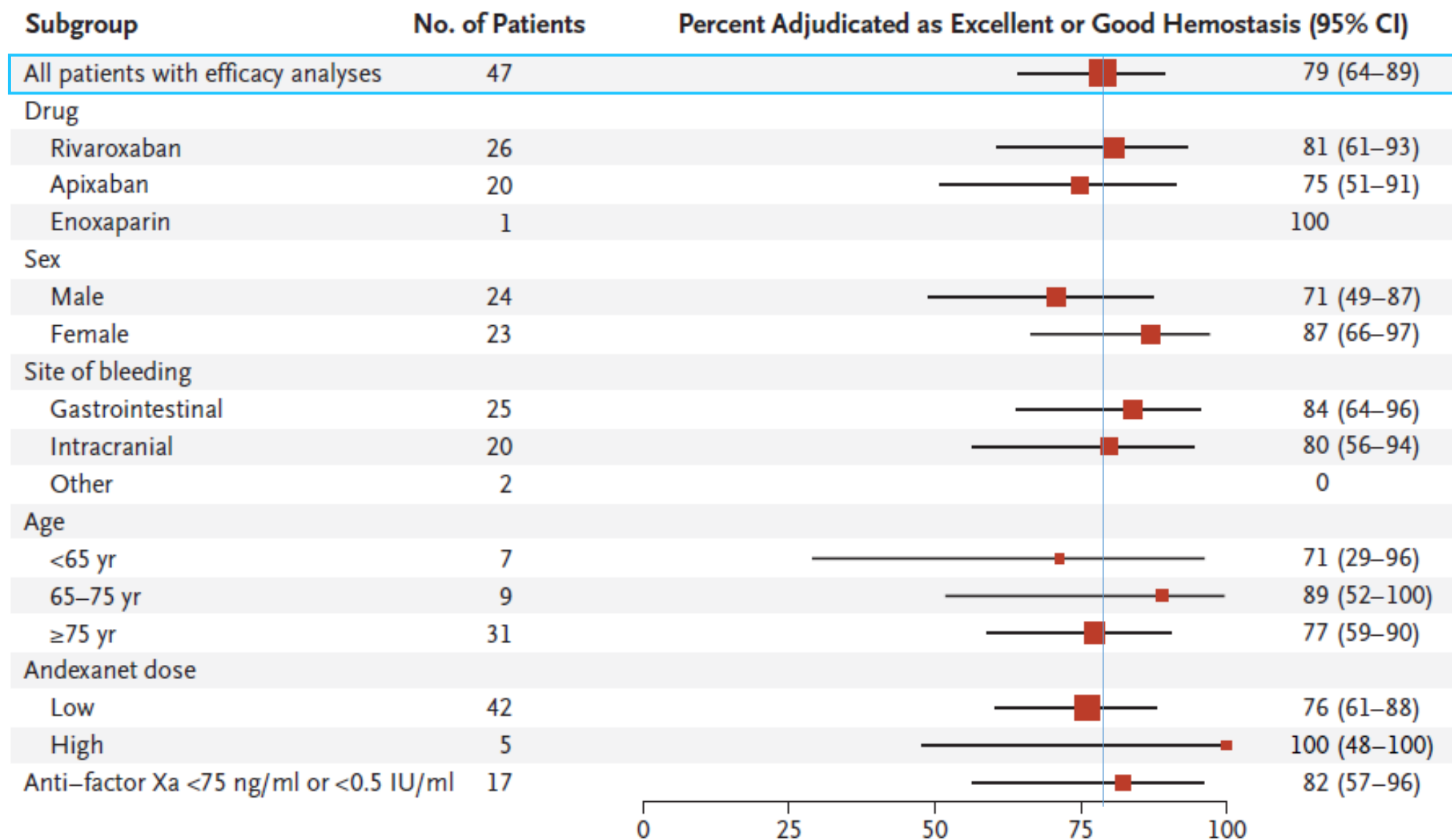
127.1

-49 (-43 to -57)

97.9

-64 (-51 to -70)

Clinical Hemostatic Efficacy



Safety Assessment

- Anticoagulation re-started in 18 patients (27%) by 30 days
- Thrombotic events occurred within 3 days of andexanet in 4 (6%) patients and by 30 days in 12 (18%)
- Therapeutic anticoagulation was re-started in only 1 patient before a thrombotic event occurred
- 10 deaths occurred by 30 days (15%), of which 6 were cardiovascular

Conclusions

- Andexanet bolus plus 2 hour infusion rapidly reversed anti-fXa activity
- Effective hemostasis observed in 79% of patients
- Thrombotic events occurred at rates consistent with the high risk profile of the patients