



Long-acting Factor XI Inhibition and Periprocedural Bleeding

A Secondary Analysis from AZALEA-TIMI 71

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September 2, 2024



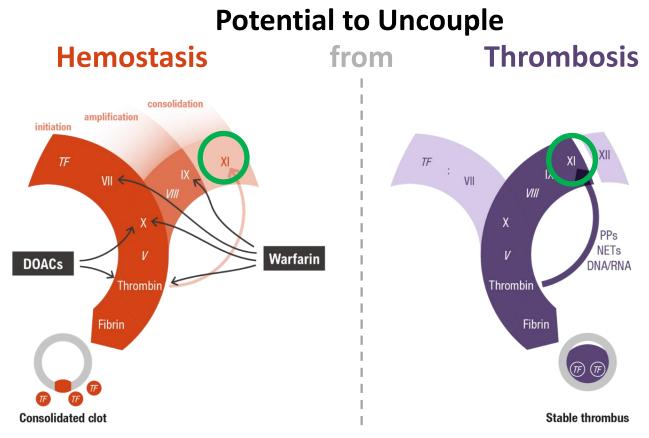
Procedures are Common in Patients with AF treated with Anticoagulation

- Management of perioperative anticoagulation is a commonly encountered clinical scenario among patients with AF.
- An estimated ~20% of patients with AF undergo invasive procedures per year, with frequent need for anticoagulation interruption.

Douketis JD et al. *Chest.* 2022;162(5):e207-243. Douketis JD et al. *JAMA*. 2024; doi:10.1001/jama.2024.12708

FXI Inhibition may offer safer anticoagulation

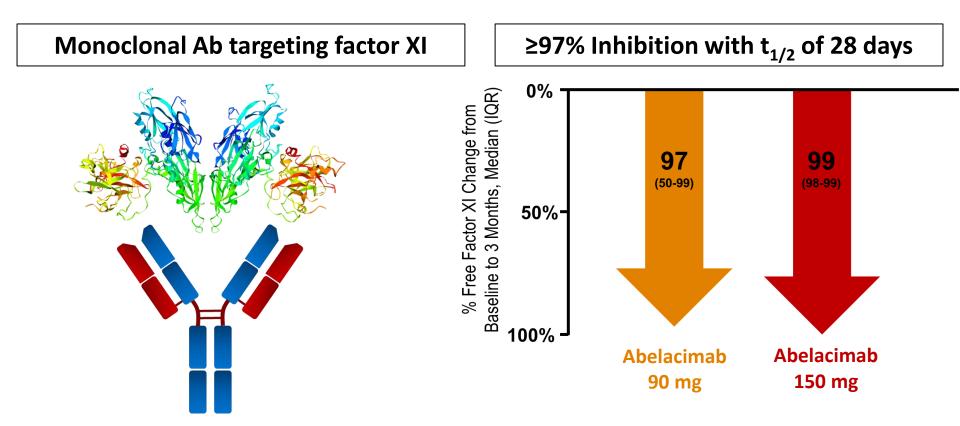




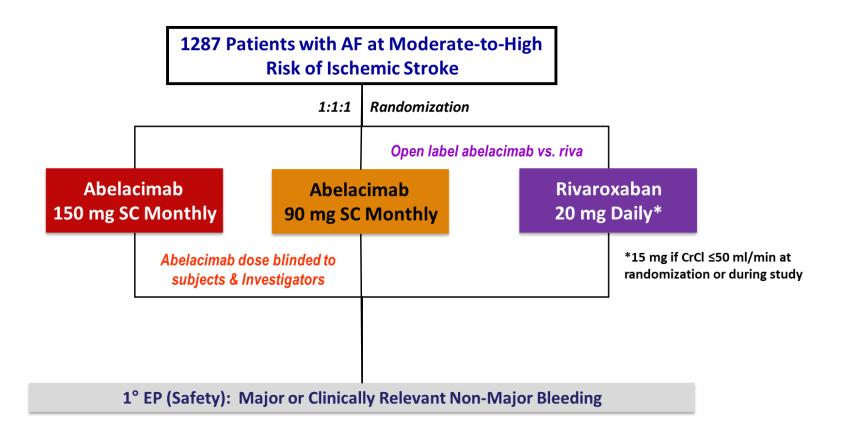
Hsu C, et al. J Am Coll Cardiol 2021;78:625-631

Abelacimab





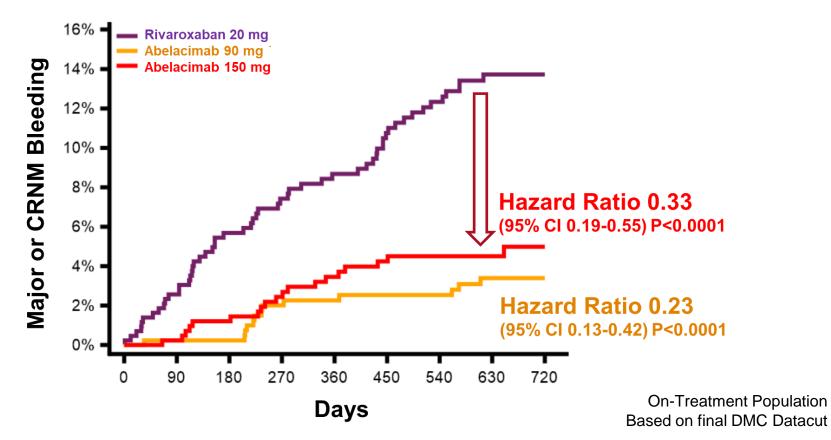




Ruff CT et al. AHA Scientific Sessions 2023, Late-breaking Clinical Trial

AZALEA-TIMI 71 Primary Results





Ruff CT et al. AHA Scientific Sessions 2023, Late-breaking Clinical Trial

Objective



To examine periprocedural bleeding among patients undergoing invasive procedures randomized to abelacimab, a long-acting factor XI inhibitor, vs. rivaroxaban in AZALEA-TIMI 71

AZALEA Peri-procedural Guidance



Bleeding Risk	Low Risk	Intermediate-High Risk	Very High Risk	
Procedure example	Coronary angiography	Colonoscopy w/ polypectomy	Spinal surgery, open thoracic or abdominal surgery	
Abelacimab guidance	No interruption or therapy	No interruption; consider anti- fibrinolytic (e.g., TXA) pre-procedurally	<u>Elective</u> Interrupt abelacimab	<u>Non-elective</u> Consider anti- fibrinolytic + low- dose rVIIa
Rivaroxaban guidance	Interruption per SoC (~24-48h prior to procedure based on CrCl)			

Application of guidance & perceived procedural bleeding risk based on local site's judgement

Classification of Procedural and Bleeding Events

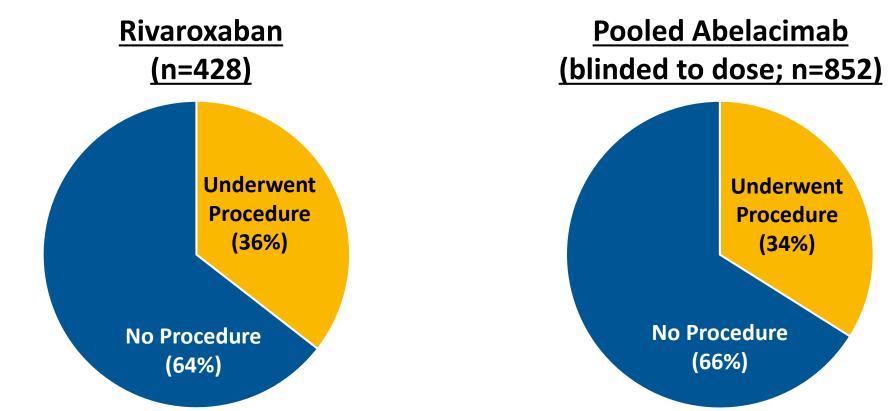
Procedural bleeding risk was categorized as per the 2017 ACC Periprocedural Management Expert pathway as low, intermediate, or high.

> Periprocedural bleeding events were identified as:

- Major or CRNM bleeds adjudicated by an independent CEC blinded to treatment assignment
- Within 30 days of the procedure and classified as related to the procedure

Proportion of Patients with Invasive Procedures

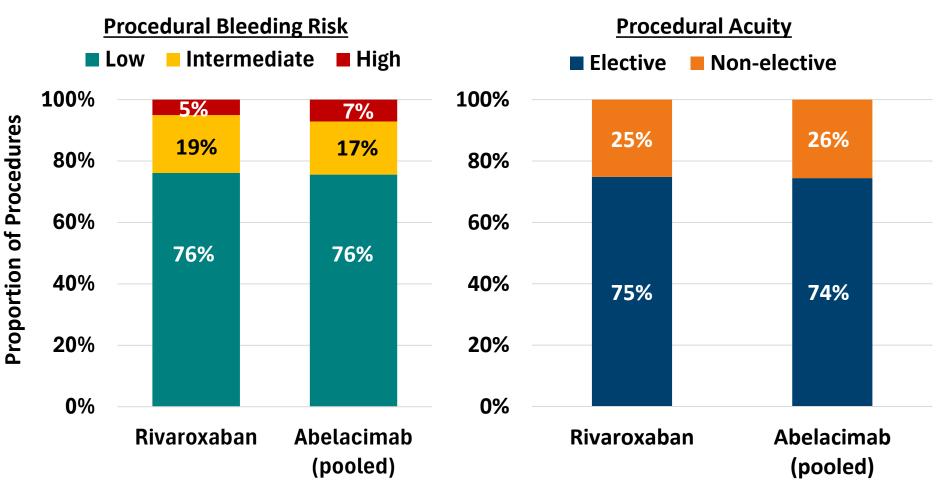




Similar proportion in each treatment arm undergoing procedures, with similar baseline characteristics

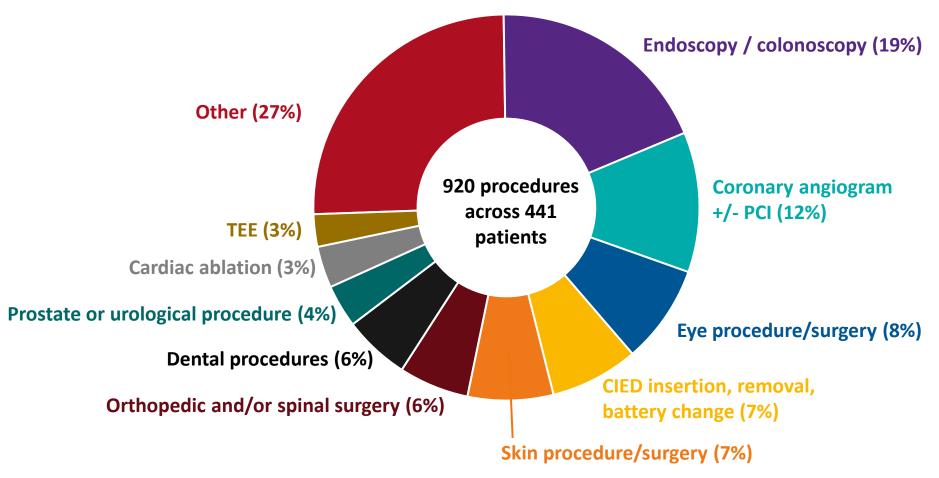
Procedural Bleeding Risk and Acuity





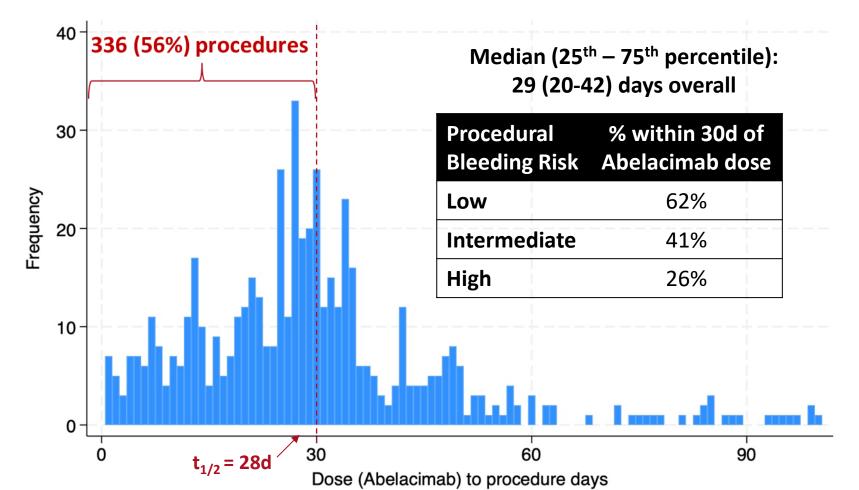
Breakdown of Procedure Types





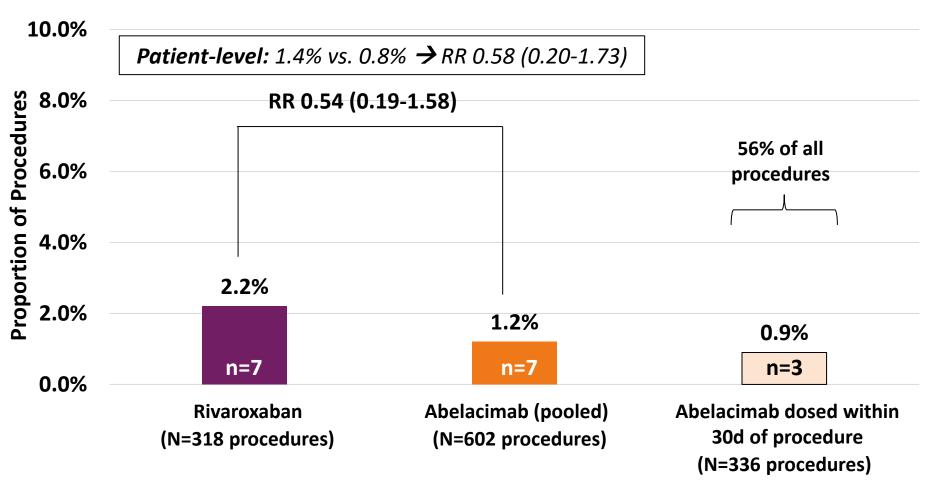
Time from Last Abelacimab Dose to Procedure





Major or CRNM Bleeding (Procedure-level)





Major or CRNM Bleeding by Procedural Risk & Acuity (Procedure level)



	Proportion (n/N), Rivaroxaban	Proportion (n/N), Abelacimab			
Overall	2.2% (7/318)	1.2% (7/602)			
Procedural Bleeding Risk					
Low	1.2% (3/241)	0.4% (2/455)			
Intermediate	6.6% (4/61)	2.9% (3/104)			
High	0.0% (0/16)	4.7% (2/43)			
Procedural Acuity					
Elective	2.5% (6/238)	0.9% (4/448)			
Non-elective	1.3% (1/80)	2.0% (3/154)			

Hemostatic Therapies and Transfusions



	Proportion of Procedures	
Hemostatic Therapy	Rivaroxaban (N=318)	Abelacimab (N=602)
Hemostatic Therapies	2.5%	6.6%
Anti-fibrinolytic (e.g., tranexamic acid)	0.9%	5.1%
Topical hemostatic agent	0%	0.8%
Fresh frozen plasma	0.9%	0.2%
Recombinant factor VIIa	0%	0%
Other	0.6%	0.5%

Represents therapies used both pre-/intra-procedurally (>95%) or for bleeding

Blood Transfusions	5.3%	1.2%
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Summary

- Invasive procedures are frequent in a contemporary patient population with AF treated with anticoagulation
 - ~1 in 3 patients over median follow-up of 2.1 years
 - Majority (76%) are low bleeding risk
- Very low rates of procedural bleeding overall (<2% of all procedures)
 - Similar rates for abelacimab vs. rivaroxaban (1.2% vs. 2.2%)
- These data suggest routine interruption of anticoagulation may not be necessary for all procedures in the context of FXI inhibition
 - Further data in non-elective/high bleeding risk procedures are necessary