









![](_page_0_Figure_6.jpeg)

			VTE:			
	Extend	Extended Anticoagulation Studies				
		Intervention	Control	Primary Outcome (recurrent VTE)	Safety	
	RE-MEDY	Dabigatran 150 mg bid	Warfarin: INR 2 to 3	Dabigatran noninferior to warfarin	Lower bleed risk with dabigatran than warfarin, but higher rates of MI	
	RE-SONATE	Dabigatran 150 mg bid	Placebo	Dabigatran superior to placebo	Higher bleed risk with dabigatran than placebo	
	WARFASA/ASP IRE	Aspirin 100 mg daily	Placebo	Aspirin superior to placebo	No difference in AEs	
	EINSTEIN-EXT	Rivaroxaban 20 mg daily	Placebo	Rivaroxaban superior to placebo	Higher bleed risk with rivaroxaban than placebo	
N Eng Expert	I J Med. 2013;368(8):709. Rev Cardiovasc Ther. 2011;9	N Engl J Med. 2012;366( (7):8 <b>41(</b> Engl J Med. 2012;367(	21):1959. 21):1979.			
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![](_page_1_Figure_2.jpeg)

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![](_page_1_Figure_4.jpeg)

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	AMPLIFY-EXT						
	EFFIC	ACY RES	ULTS		Relati	ve Risk (95°	% CI)
		Apixaban 2.5 mg (N=840)	Apixaba n 5 mg (N=813)	Placebo (N=829)	Apixaban 2.5 mg vs. Placebo	Apixaban 5 mg vs. Placebo	Apixaban 2.5 mg vs. Apixaban 5 mg
Primary Efficacy Outcome	Recurren t VTE or death from any cause	3.8%	4.2%	11.6%	0.33 (0.25 to 0.53) NNT=13	0.36 (0.25-0.53) NNT=14	NA
Secondar y Efficacy Outcome	Recurren t VTE or VTE- related death	1.7%	1.7%	8.8%	0.19 (0.11-0.33)	0.20 (0.11-0.34)	0.97 (0.46-2.02)
+++	Illinois Co	uncil of He	alth-Systen	n Pharmaci	sts 2013 Annua	l Meeting	+ 🕞

	AMPLIFY-EXT						
	SAFE	TY RESU	LTS		Relativ	ve Risk (95%	% CI)
		Apixaban 2.5 mg (N=840)	Apixaba n 5 mg (N=813)	Placebo (N=829 )	Apixaban 2.5 mg vs. Placebo	Apixaban 5 mg vs. Placebo	Apixaban 2.5 mg vs. Apixaban 5 mg
Primary Safety Outcome	Major bleeding	0.2%	0.1%	0.5%	0.49 (0.09-2.64)	0.25 (0.03-2.24)	1.93 (0.18- 21.25)
Secondar y Safety Outcome	Clinically relevant nonmajo r bleeding	3.0%	4.2%	2.3%	1.29 (0.72-2.33)	1.82 (1.05-3.18) NNH=53	0.71 (0.43-1.18)
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- Arterial events
- Small # in each group no difference
- Subgroup analyses
  - Mostly consistent with overall treatment effect except
    - Age >75 yrs: only the 5 mg dose effective
    - Questionable efficacy with severe to moderate renal impairment (both doses)
    - Questionable efficacy when weight  $\leq$ 60 kg (both doses)

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![](_page_2_Figure_13.jpeg)

![](_page_2_Figure_14.jpeg)

## Which type of bleeding was significantly increased with the apixaban 2.5 mg dose compared to placebo?

- Major
  Clinically relevant
- nonmajor
- Composite of major or clinically relevant nonmajor
- 4. None of the above

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![](_page_3_Figure_7.jpeg)

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Systemic	Inhaled	Acting on the intestine
Betamethasone	Beclomethasone	Prednisolone
Methylprednisolone	Budesonide	Hydrocortisone
Prednisolone	Flunisolide	Budesonide
Triamcinolone	Fluticasone	Local steroids for hemorrhoids
Hydrocortisone	Mometasone	
Prednisone		

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		Incidence Rate	Incidence Rate Ratio (95% CI)		
		Unadjusted	Adjusted		
	Present	4.09 (3.91-4.29)	2.31 (2.18-2.45)		
Systemic glucocorticoid use	Recent	1.71 (1.61-1.82)	1.18 (1.10-1.26)		
-	Former	1.15 (1.10-1.21)	0.94 (0.90-0.99)		
	Present	1.38 (1.25-1.51)	1.03 (0.93-1.15)		
Inhaled alucocorticoid use	Recent	1.38 (1.24-1.55)	1.06 (0.94-1.20)		
3	Former	1.28 (1.19-1.39)	0.99 (0.91-1.08)		
Intestinal	Present	3.08 (2.39-3.98)	1.90 (1.40-2.58)		
glucocorticoid use	Recent	1.52 (1.10-2.09)	1.01 (0.71-1.45)		
(present)	Former	1.26 (1.02-1.56)	0.89 (0.70-1.13)		

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![](_page_5_Picture_5.jpeg)

![](_page_6_Picture_1.jpeg)

![](_page_6_Figure_2.jpeg)

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Prin end	nary point	Conventional treatment (n=155)	Short-term treatment (n=156)	Hazard ratio (90% CI)	P-value (for noninferiority)
Reexace (I	erbations TT)	36.8%	35.9%	0.95 (0.70-1.29)	0.006
			Subgroups		
GOLD	1 and 2	33.3%	26.1%	0.73 (0.28-1.88)	0.10
GO	LD 3	35.9%	33.3%	0.93 (0.52-1.67)	0.08
GO	LD 4	39.7%	40.5%	0.99 (0.66-1.49)	0.04
Glucoc pretre Y	corticoid eatment 'ES	46.4%	45.7%	0.93 (0.50-1.72)	0.09
Glucoc pretre N	corticoid eatment NO	35.8%	33.3%	0.88 (0.61-1.26)	0.006

Secondary endpoints	Conventional treatment (n=155)	Short-term treatment (n=156)	Comparison measure (95% CI)	P-value
Deaths during follow-up	8.4%	7.7%	HR, 0.93 (0.40-2.20)	0.87
Cumulative prednisone dose (mean)	793 mg	379 mg	Difference in means -414 (-521 to -307)	<0.001
Hyperglycemia	57.4%	56.9%	OR, 0.98 (0.58 to 1.66)	>0.99
Hypertension	17.8%	11.6%	OR, 0.61 (0.28 to 1.29)	0.22
Duration of hospital stay	9 (6 to 14)	8 (5 to 11)	HR, 1.25 (0.99 to 1.59)	0.04
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## Therapies for Rheumatoid Arthritis

- · Study objective
  - To compare the strategies of adding conventional DMARDs to MTX (triple therapy) with adding etanercept to MTX (etanercept-MTX) in patients with active RA despite MTX therapy
- Methods
  - Multicenter, randomized, double-blind, 48week noninferiority trial

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## Therapies for Rheumatoid Arthritis

- Secondary outcomes
  - Radiographic progression
  - Proportion of patients with DAS28 of  $\leq$  3.2

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American College of Radiology 20, 50, and 70 responses

![](_page_10_Figure_6.jpeg)

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Change in DAS28 score from baseline to 48				
		weeks Difference between groups	Upper limit of 95% one-sided Cl	P-value for noninferiorit y
Accounting	ITT	0.01	0.271	P<0.001
for switch	PP	-0.17	0.116	
Not	ITT	0.165	0.407	P=0.002
switch	PP	0.042	0.305	

![](_page_10_Figure_10.jpeg)

![](_page_11_Figure_1.jpeg)

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	Triple Therapy (n=222)	Etanercept (n=219)
otal number of SAEs	33	39
Cardiac disorders	4	1
Gastrointestinal disorders	5	4
Infections and infestations	4	12
Renal and urinary disorders	1	3
Respiratory, thoracic and mediastinal disorders	4	1
Surgical and medical procedures	3	5
Vascular disorders	3	4
Other (events occurring fewer than 3 times)	8	9

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