

# **AMPLIFY:** a randomized, double-blind, phase 3 trial for the treatment of venous thromboembolism (VTE)<sup>1,2</sup>

#### INDICATION

ELIQUIS is indicated for the treatment of DVT and PE, and to reduce the risk of recurrent DVT and PE following initial therapy. **SELECTED IMPORTANT SAFETY INFORMATION** 

### WARNING: (A) PREMATURE DISCONTINUATION OF ELIQUIS INCREASES THE RISK OF THROMBOTIC EVENTS, (B) SPINAL/EPIDURAL HEMATOMA

(A) Premature discontinuation of any oral anticoagulant, including ELIQUIS, increases the risk of thrombotic events. If anticoagulation with ELIQUIS is discontinued for a reason other than pathological bleeding or completion of a course of therapy, consider coverage with another anticoagulant. (B) Epidural or spinal hematomas may occur in patients treated with ELIQUIS who are receiving neuraxial anesthesia or undergoing spinal puncture. These hematomas may result in long-term or permanent paralysis. Consider these risks when scheduling patients for spinal procedures. Factors that can increase the risk of developing epidural or spinal hematomas in these patients include:

- use of indwelling epidural catheters
- a history of traumatic or repeated epidural or spinal punctures
- a history of spinal deformity or spinal surgery

• optimal timing between the administration of ELIQUIS and neuraxial procedures is not known Monitor patients frequently for signs and symptoms of neurological impairment. If neurological compromise is noted, urgent treatment is necessary. Consider the benefits and risks before neuraxial intervention in patients anticoagulated or to be anticoagulated.

References: 1. ELIQUIS<sup>®</sup> (apixaban). Package Insert. Bristol-Myers Squibb Company, Princeton, NJ, and Pfizer Inc., New York, NY. 2. Agnelli G, Buller HR, Cohen A, et al; for the AMPLIFY-EXT Investigators. Apixaban for extended treatment of venous thromboembolism. N Engl J Med. 2013;368(8):699-708.

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• concomitant use of other drugs that affect hemostasis, such as nonsteroidal anti-inflammatory drugs (NSAIDs), platelet inhibitors, other anticoagulants

## Continue





# AMPLIFY was a randomized double-blind, phase 3 noninferiority trial<sup>1,2</sup>



**Select inclusion criteria:** objectively confirmed, symptomatic proximal DVT and/or PE.

**Select exclusion criteria:** patients who required thrombectomy, insertion of a caval filter, or use of a fibrinolytic agent, and patients with creatinine clearance <25 mL/min, significant liver disease, an existing heart valve or atrial fibrillation, or active bleeding, or cancer and for whom long-term treatment with low-molecular-weight heparin was planned.

DVT=deep vein thrombosis; INR=international normalized ratio; PE=pulmonary embolism. \*Recurrent symptomatic VTE (nonfatal DVT or nonfatal PE).

### SELECTED IMPORTANT SAFETY INFORMATION **CONTRAINDICATIONS**

- Active pathological bleeding
- Severe hypersensitivity reaction to ELIQUIS (e.g., anaphylactic reactions)

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**Primary efficacy endpoint:** recurrent VTE\* or VTE-related death

**Primary safety endpoint:** major bleeding

- Approximately 90% of patients had an unprovoked DVT or PE at baseline, and 10% of patients with a provoked DVT or PE were required to have an additional ongoing risk factor, which included a previous episode of DVT or PE, immobilization, history of cancer, active cancer, and known prothrombotic genotype<sup>1</sup>
- Patients were allowed to enter the study with or without prior parenteral anticoagulation (up to 48 hours)<sup>1</sup>

Major bleeding was defined as clinically overt bleeding accompanied by ≥1 of the following<sup>2,3</sup>: a decrease in hemoglobin of  $\geq 2$  g/dL; transfusion of  $\geq 2$  units of packed red blood cells; bleeding that occurred in at least one of the following critical sites: intracranial, intraspinal, intraocular, pericardial, intra-articular, intramuscular with compartment syndrome, or retroperitoneal; and fatal bleeding.

**BASELINE CHARACTERISTICS** 





# AMPLIFY w

#### **Primary obje**

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#### Select inclusior Select exclusion

use of a fibrinolytic

For the treatment of DVT/PE,

Select clinical characteristics represented in AMPLIFY patient population<sup>1</sup>

**Extensive PE at baseline\*** 

Weight ≥100 kg

Moderate renal impairment (CrCl >30 to ≤50 mL/m

Severe renal impairment (CrCl ≤30 mL/min)

**Previous VTE** 

Active cancer<sup>2†‡</sup>

CrCl=creatinine clearance.

\*Pulmonary embolism was defined as extensive if there were 2 or more lobes involving 50% or more of the vasculature for each lobe. <sup>\*</sup>Active cancer was defined as cancer diagnosed or treated within the past 6 months without the necessity for low-molecular-weight heparin treatment. **References: 1.** Agnelli G, Buller HR, Cohen A, et al; for the AMPLIFY-EXT Investigators. Apixaban for extended treatment of venous thromboembolism. *N Engl J Med*. 2013;368(8):699-708. **2.** Agnelli G, Buller HR, Cohen A, et al. Oral apixaban for the treatment of venous thromboembolism in cancer patients: results from the

AMPLIFY trial. J Thromb Haemost. 2015;13(12):2187-2191.

disease, an existing heart valve or atrial fibrillation, or active bleeding, or cancer and for whom long-term treatment with low-molecular-weight heparin was planned.

DVT=deep vein thrombosis; INR=international normalized ratio; PE=pulmonary embolism. \*Recurrent symptomatic VTE (nonfatal DVT or nonfatal PE).

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Select early time points—safety

## ELIQUIS<sup>®</sup> (apixaban) was studied across various patient subgroups<sup>1</sup>

d	ELIQUIS n=2691		<b>enoxapari</b> n=2	<b>n/warfarin</b> 2704		
	13.3%	n=357	12.1%	n=326		
	19.4%	n=522	19.2%	n=518		
nin)	6.0%	n=161	5.5%	n=148		
	0.5%	n=14	0.6%	n=15		
	17.2%	n=463	15.1%	n=409		
	3.3%	n=88	3.0%	n=81		

#### <sup>†</sup>Baseline values taken from the journal publication Agnelli G, Buller HR, Cohen A, et al. Oral apixaban for the treatment of venous thromboembolism in cancer patients: results from the AMPLIFY trial. J Thromb Haemost. 2015;13:2187-2191.



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### ERISTICS +

# For the treatment of DVT/PE, **ONLY ELIQUIS demonstrated BOTH comparable efficacy AND superiority in major bleeding events** vs enoxaparin/warfarin<sup>1</sup>



### ELIQUIS increases the risk of bleeding and can cause serious, potentially fatal, bleeding.

- In AMPLIFY, discontinuation rate due to bleeding events: 0.7% with ELIQUIS vs 1.7% with enoxaparin/warfarin
- menorrhagia, hematoma, hemoptysis, rectal hemorrhage, and gingival bleeding

ARR=absolute risk reduction; CI=confidence interval; HR=hazard ratio; RRR=relative risk reduction. \*Recurrent symptomatic VTE (nonfatal DVT or nonfatal PE). <sup>+</sup>Events associated with each endpoint were counted once per subject, but subjects may have contributed events to multiple endpoints.

### SELECTED IMPORTANT SAFETY INFORMATION: WARNINGS AND PRECAUTIONS

transition from ELIQUIS to warfarin in clinical trials in atrial fibrillation patients. If ELIQUIS is discontinued for a reason other than pathological bleeding or completion of a course of therapy, consider coverage with another anticoagulant.

References: 1. ELIQUIS<sup>®</sup> (apixaban). Package Insert. Bristol-Myers Squibb Company, Princeton, NJ, and Pfizer Inc., New York, NY. 2. Agnelli G, Buller HR, Cohen A, et al; for the AMPLIFY Investigators. Oral apixaban for the treatment of acute venous thromboembolism. N Engl J Med. 2013;369(9):799-808.

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• In AMPLIFY, the most commonly observed adverse reactions in patients treated with ELIQUIS (incidence  $\geq 1\%$ ) were epistaxis, contusion, hematuria,

• Increased Risk of Thrombotic Events after Premature Discontinuation: Premature discontinuation of any oral anticoagulant, including ELIQUIS, in the absence of adequate alternative anticoagulation increases the risk of thrombotic events. An increased rate of stroke was observed during the





**Consistent efficacy** and rates of major bleeding across key patient subgroups<sup>2</sup>



Renal impairment







Results

# For the treatment of DVT/PE,

# ELIQUIS demonstrated fewer bleeding events across key secondary endpoints, including CRNM<sup>1\*</sup>



# ELIQUIS increases the risk of bleeding and can cause serious, potentially fatal, bleeding.

# • In AMPLIFY, discontinuation rate due to bleeding events: 0.7% with ELIQUIS vs 1.7% with enoxaparin/warfarin<sup>1</sup>

CRNM=clinically relevant nonmajor; HCP=health care provider. \*Events associated with each endpoint were counted once per subject, but subjects may have contributed events to multiple endpoints.

### SELECTED IMPORTANT SAFETY INFORMATION: WARNINGS AND PRECAUTIONS (cont'd)

- Bleeding Risk: ELIQUIS increases the risk of bleeding and can cause serious, potentially fatal, bleeding.
  - heparin, thrombolytic agents, SSRIs, SNRIs, and NSAIDs.
  - Advise patients of signs and symptoms of blood loss and to report them immediately or go to an emergency room. Discontinue ELIQUIS in patients with active pathological hemorrhage.
  - The anticoagulant effect of apixaban can be expected to persist for at least 24 hours after the last dose (i.e., about two half-lives). An agent to reverse the anti-factor Xa activity of apixaban is available. Please visit www.andexxa.com for more information on availability of a reversal agent.

References: 1. ELIQUIS<sup>®</sup> (apixaban). Package Insert. Bristol-Myers Squibb Company, Princeton, NJ, and Pfizer Inc., New York, NY. 2. Agnelli G, Buller HR, Cohen A, et al; for the AMPLIFY Investigators. Oral apixaban for the treatment of acute venous thromboembolism. N Engl J Med. 2013;369(9):799-808.

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Select early time points—safety

- CRNM bleeding was defined as overt bleeding not meeting the criteria for major bleeding, but associated with at least 1 of the following<sup>2</sup>:
  - Medical intervention
  - Contact with an HCP
  - Interruption of the study drug
  - Discomfort or impairment in carrying out activities of daily life

• Concomitant use of drugs affecting hemostasis increases the risk of bleeding, including aspirin and other antiplatelet agents, other anticoagulants,





Study design

## For the treatm **ELIQUIS** d



### In AMPLIFY, d

CRNM=clinically releva \*Events associated wi

#### **SELECTED IMP** • Bleeding Risk:

- Concomitar heparin, thr
- Advise patie

# Select examples of CRNM bleeding<sup>1</sup>









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2013;369(9):799-808.

with active pathological memorinage.

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# RNM1\*

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\*Recurrent symptomatic VTE (nonfatal DVT or nonfatal PE).

### SELECTED IMPORTANT SAFETY INFORMATION: WARNINGS AND PRECAUTIONS (cont'd)

• Spinal/Epidural Anesthesia or Puncture: Patients treated with ELIQUIS undergoing spinal/epidural anesthesia or puncture may develop an epidural or spinal hematoma which can result in long-term or permanent paralysis. The risk of these events may be increased by the postoperative use of indwelling epidural catheters or the concomitant use of medicinal products affecting hemostasis. Indwelling epidural or intrathecal catheters should not be removed earlier than 24 hours after the last administration of ELIQUIS. The next dose of ELIQUIS should not be administered earlier than 5 hours after the removal of the catheter. The risk may also be increased by traumatic or repeated epidural or spinal puncture. If traumatic puncture occurs, delay the administration of ELIQUIS for 48 hours. Monitor patients frequently and if neurological compromise is noted, urgent diagnosis and treatment is necessary. Physicians should consider the potential benefit versus the risk of neuraxial intervention in ELIQUIS patients.

References: 1. Agnelli G, Buller HR, Cohen A, et al; for the AMPLIFY Investigators. Oral apixaban for the treatment of acute venous thromboembolism. N Engl J Med. 2013;369(9):799-808. **2.** ELIQUIS<sup>®</sup> (apixaban). Package Insert. Bristol-Myers Squibb Company, Princeton, NJ, and Pfizer Inc., New York, NY.

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	n of events/N	N of patients		
	ELIQUIS® (apixaban)	enoxaparin/warfarin	RR (95% CI)	ELIQUIS better bett
Overall	59/2609	71/2635	0.84 (0.60, 1.18)	<b>⊢</b>
Index event				
PE (with or without DVT)	21/900	23/886	0.90 (0.50, 1.61)	<b>⊢</b>
DVT only	38/1698	47/1736	0.83 (0.54, 1.26)	<b>⊢</b>
Level of renal impairment				
CrCl ≤50 mL/min	7/169	7/158	0.92 (0.34, 2.53)	<b>⊢</b>
CrCl >50 to ≤80 mL/min	14/531	12/530	1.17 (0.55, 2.50)	<b>⊢</b>

\*Recurrent symptomatic VTE (nonfatal DVT or nonfatal PE).<sup>3</sup>

#### SELECTED IMPORTANT SAFETY INFORMATION: WARNINGS AND PRECAUTIONS (cont'd)

• Spinal/Epidural Anesthesia or Puncture: Patients treated with ELIQUIS undergoing spinal/epidural anesthesia or puncture may develop an epidural or spinal hematoma which can result in long-term or permanent paralysis. The risk of these events may be increased by the postoperative use of indwelling epidural catheters or the concomitant use of medicinal products affecting hemostasis. Indwelling epidural or intrathecal catheters should not be removed earlier than 24 hours after the last administration of ELIQUIS. The next dose of ELIQUIS should not be administered earlier than 5 hours after the removal of the catheter. The risk may also be increased by traumatic or repeated epidural or spinal puncture. If traumatic puncture occurs, delay the administration of ELIQUIS for 48 hours. Monitor patients frequently and if neurological compromise is noted, urgent diagnosis and treatment is necessary. Physicians should consider the potential benefit versus the risk of neuraxial intervention in ELIQUIS patients.

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Ref 2. ELIU



Study design

Results



Note: The figure above presents effects in various subgroups and all of which were prespecified, if not the groupings. The not take into account how many comparisons were made, no factor after adjustment for all other factors. Apparent home should not be over-interpreted.

\*Recurrent symptomatic VTE (nonfatal DVT or nonfatal PE).<sup>3</sup>

#### SELECTED IMPORTANT SAFETY INFORMATION: WARNINGS AND PRECAUTIONS (cont'd)

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enoxaparin/warfarin	RR (95% CI)	ELIQUIS better	enoxap warfa bett
47/1714	0.85 (0.56, 1.29)	⊢-●	
11/561	1.19 (0.54, 2.63)	<b></b>	•
13/360	0.50 (0.20, 1.24)	<b></b>	-4
38/1557	0.94 (0.60, 1.48)	<b>⊢</b>	
33/1078	0.72 (0.43, 1.21)	<b>⊢</b> —●	
os, all of which are baseli 95% confidence limits t	ne characteristics chat are shown do	0.05 0.1 0.4	1 2.7
or do they reflect the eff ogeneity or heterogeneit	ect of a particular y among groups	ELIQUIS better	enoxap warfari better





enoxaparin/warfarin	RR (95% CI)		ELIQ bet	UIS ter	e	noxap warfa bett
10/232	0.63 (0.23, 1.72)		F	•		
43/1892	0.99 (0.65, 1.50)			+	-	
18/508	0.61 (0.29, 1.28)		H	•		4
os, all of which are baseli 95% confidence limits t	ne characteristics that are shown do	0.05	0.1	0.4	1	2.7
or do they reflect the effect of a particular openeity or heterogeneity among groups				ELIQU	IS (	enoxap

wartarin Detter better

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The risk of these events may be increased by the postoperative use of indwelling epidural catheters or the concomitant use of medicinal products affecting hemostasis. Indwelling epidural or intrathecal catheters should not be removed earlier than 24 hours after the last administration of ELIQUIS. The next dose of ELIQUIS should not be administered earlier than 5 hours after the removal of the catheter. The risk may also be increased by traumatic or repeated epidural or spinal puncture. If traumatic puncture occurs, delay the administration of ELIQUIS for 48 hours.

Monitor patients frequently and if neurological compromise is noted, urgent diagnosis and treatment is necessary. Physicians should consider the

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## SAFETY

For the treatment of DVT/PE,

# Rates of major bleeding across key patient subgroups<sup>1-3</sup>

#### n of events/N of pat

	ELIQUIS® (apixaban)	enoxaparin/warfarin	RR (95% CI)	ELIQUIS better	enoxap warfa bett
Overall	15/2676	49/2689	0.31 (0.17, 0.55)	<b>⊢</b>	
Index event					
PE (with or without DVT)	4/928	25/902	0.16 (0.05, 0.45)	<b>⊢</b>	
DVT only	11/1738	24/1773	0.47 (0.23, 0.95)	<b>⊢</b>	1
Level of renal impairment					
CrCl ≤50 mL/min	5/175	9/163	0.53 (0.18, 1.62)		
CrCl >50 to ≤80 mL/min	5/549	10/544	0.50 (0.17, 1.44)	<b>⊢</b>	+
CrCl >80 mL/min	5/1720	25/1756	0.20 (0.08, 0.53)	<b>⊢</b>	
				0.01 0.02 0.05 0.1 0.4	1 2.7
				ELIQUIS better	enoxap warfari better

### ELIQUIS increases the risk of bleeding and can cause serious, potentially fatal, bleeding.

Note: The figure above presents effects in various subgroups, all of which are baseline characteristics and all of which were prespecified, if not the groupings. The 95% confidence limits that are shown do not take into account how many comparisons were made, nor do they reflect the effect of a particular factor after adjustment for all other factors. Apparent homogeneity or heterogeneity among groups should not be over-interpreted.

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	n of events/	N of patients		
	ELIQUIS® (apixaban)	enoxaparin/warfarin	RR (95% CI)	ELIQUIS better
Age				
<65 years	7/1725	20/1753	0.36 (0.15, 0.84)	<b>⊢</b>
65 to <75 years	4/553	13/566	0.32 (0.10, 0.98)	<b>⊢</b>
≥75 years	4/398	16/370	0.23 (0.08, 0.69)	<b>⊢</b>
Sex				
Male	9/1561	24/1591	0.38 (0.18, 0.82)	<b>⊢</b>
Female	6/1115	25/1098	0.23 (0.10, 0.56)	<b>⊢</b> ●−−−−+
Weight				
≤60 kg	1/230	7/243	0.15 (0.02, 1.15)	► • • • • • • • • • • • • • • • • • • •
>60 kg to <100 kg	13/1920	32/1924	0.41 (0.21, 0.77)	<b>⊢</b>
≥100 kg	1/521	10/518	0.10 (0.01, 0.78)	(

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Note: The figure above presents effects in various subgroups, all of which are baseline characteristics and all of which were prespecified, if not the groupings. The 95% confidence limits that are shown do not take into account how many comparisons were made, nor do they reflect the effect of a particular factor after adjustment for all other factors. Apparent homogeneity or heterogeneity among groups should not be over-interpreted.

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ELIQUIS enoxaparin/ better warfarin

better



Results

# AMPLIFY primary efficacy analysis and post-hoc analysis of select early time points<sup>1,2</sup>



\*Recurrent symptomatic VTE (nonfatal DVT or nonfatal PE).

### SELECTED IMPORTANT SAFETY INFORMATION: WARNINGS AND PRECAUTIONS (cont'd)

- in these patients.
- or who may receive thrombolysis or pulmonary embolectomy.

References: 1. ELIQUIS<sup>®</sup> (apixaban). Package Insert. Bristol-Myers Squibb Company, Princeton, NJ, and Pfizer Inc., New York, NY. 2. Raskob GE, Gallus AS, Sanders P, et al. Early time courses of recurrent thromboembolism and bleeding during apixaban or enoxaparin/warfarin therapy. A sub-analysis of the AMPLIFY trial. Thromb Haemost. 2016;115(4):809-816.

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• Prosthetic Heart Valves: The safety and efficacy of ELIQUIS have not been studied in patients with prosthetic heart valves and is not recommended

• Acute PE in Hemodynamically Unstable Patients or Patients who Require Thrombolysis or Pulmonary Embolectomy: Initiation of ELIQUIS is not recommended as an alternative to unfractionated heparin for the initial treatment of patients with PE who present with hemodynamic instability



Results

### AMPLIFY primary major bleeding analysis and post-hoc analysis of select early time points<sup>1,2</sup> RELATIVE RISK FOR MAJOR BLEEDING FOR SELECT EARLY TIME POINTS IN THE AMPLIFY POST-HOC **ANALYSIS WERE CONSISTENT WITH THE AMPLIFY PRIMARY SAFETY ANALYSIS**



### ELIQUIS increases the risk of bleeding and can cause serious, potentially fatal, bleeding.

- hematoma, hemoptysis, rectal hemorrhage, and gingival bleeding
- \*Events associated with each endpoint were counted once per subject, but subjects may have contributed events to multiple endpoints.

### SELECTED IMPORTANT SAFETY INFORMATION: WARNINGS AND PRECAUTIONS (cont'd)

• Increased Risk of Thrombosis in Patients with Triple Positive Antiphospholipid Syndrome (APS): Direct-acting oral anticoagulants (DOACs), [positive for lupus anticoagulant, anticardiolipin, and anti-beta 2-glycoprotein I antibodies]), treatment with DOACs has been associated with increased rates of recurrent thrombotic events compared with vitamin K antagonist therapy.

References: 1. ELIQUIS<sup>®</sup> (apixaban). Package Insert. Bristol-Myers Squibb Company, Princeton, NJ, and Pfizer Inc., New York, NY. 2. Raskob GE, Gallus AS, Sanders P, et al. Early time courses of recurrent thromboembolism and bleeding during apixaban or enoxaparin/warfarin therapy. A sub-analysis of the AMPLIFY trial. Thromb Haemost. 2016;115(4):809-816.

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#### AMPLIFY time point analysis (post hoc) safety data at 7, 21, and 90 days<sup>2</sup> Major bleeding\* RR=0.29 (95% CI: 0.15, 0.57) RR=0.19 (95% CI: 0.06, 0.65) RR=0.19 (95% CI: 0.08, 0.50) 1.4 0.97 0.60 n=38 0.41 0.19 n=26 n=16 n=11 n=5 ELIQUIS **ELIQUIS** enoxaparin/ enoxaparin/ enoxaparin/ N=2676 warfarin warfarin N=2676 warfarin N=2689 N=2689 N=2689 **Day 90** Day 7 **Day 21**

### Limitations of AMPLIFY time point analysis

• Time point analysis was not predefined in AMPLIFY protocol<sup>2</sup>

• For Days 7 and 21, a small number of events were observed within the short time period, which contributed to less power to assess treatment effect<sup>2</sup>

• In AMPLIFY, discontinuation rate due to bleeding events: 0.7% in patients treated with ELIQUIS vs 1.7% in patients treated with enoxaparin/warfarin

• In AMPLIFY, the most commonly observed adverse reactions in patients treated with ELIQUIS (incidence  $\geq 1\%$ ) were epistaxis, contusion, hematuria, menorrhagia,

including ELIQUIS, are not recommended for use in patients with triple-positive APS. For patients with APS (especially those who are triple positive







# **AMPLIFY-EXT:** a randomized, double-blind, phase 3 trial for the reduction in the risk of recurrent deep vein thrombosis (DVT)/pulmonary embolism (PE) following initial therapy<sup>1,2</sup>

#### INDICATION

ELIQUIS is indicated for the treatment of DVT and PE, and to reduce the risk of recurrent DVT and PE following initial therapy.

#### **SELECTED IMPORTANT SAFETY INFORMATION**

#### **ADVERSE REACTIONS**

• The most common and most serious adverse reactions reported with ELIQUIS were related to bleeding.

#### **TEMPORARY INTERRUPTION FOR SURGERY AND OTHER INTERVENTIONS**

• ELIQUIS should be discontinued at least 48 hours prior to elective surgery or invasive procedures with a moderate or high risk of unacceptable adequate hemostasis has been established.

References: 1. ELIQUIS<sup>®</sup> (apixaban). Package Insert. Bristol-Myers Squibb Company, Princeton, NJ, and Pfizer Inc., New York, NY. 2. Agnelli G, et al. N Engl J Med. 2013;368(8):699-708.

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or clinically significant bleeding. ELIQUIS should be discontinued at least 24 hours prior to elective surgery or invasive procedures with a low risk of bleeding or where the bleeding would be noncritical in location and easily controlled. Bridging anticoagulation during the 24 to 48 hours after stopping ELIQUIS and prior to the intervention is not generally required. ELIQUIS should be restarted after the surgical or other procedures as soon as







Study design

Results

# AMPLIFY-EXT was a randomized, double-blind, phase 3 trial<sup>1,2</sup>



**Select exclusion criteria:** multiple episodes of unprovoked DVT or PE.

HCP=health care provider.

\*In AMPLIFY-EXT, 2486 patients were randomized, with 815 of these patients randomized to ELIQUIS 5 mg twice daily, which is not an approved dose for this indication. <sup>†</sup>Recurrent symptomatic VTE (nonfatal DVT or nonfatal PE).

### SELECTED IMPORTANT SAFETY INFORMATION: DRUG INTERACTIONS

• Combined P-gp and Strong CYP3A4 Inhibitors: Inhibitors of P-glycoprotein (P-gp) and cytochrome P450 3A4 (CYP3A4) increase exposure to apixaban and increase the risk of bleeding. For patients receiving ELIQUIS doses of 5 mg or 10 mg twice daily, reduce the dose of ELIQUIS by 50% when ELIQUIS is coadministered with drugs that are combined P-gp and strong CYP3A4 inhibitors (e.g., ketoconazole, itraconazole, or ritonavir). In patients already taking 2.5 mg twice daily, avoid coadministration of ELIQUIS with combined P-gp and strong CYP3A4 inhibitors. Clarithromycin

Although clarithromycin is a combined P-gp and strong CYP3A4 inhibitor, pharmacokinetic data suggest that no dose adjustment is necessary with concomitant administration with ELIQUIS.

References: 1. ELIQUIS<sup>®</sup> (apixaban). Package Insert. Bristol-Myers Squibb Company, Princeton, NJ, and Pfizer Inc., New York, NY. 2. Agnelli G, Buller HR, Cohen A, et al; for the AMPLIFY-EXT Investigators. Apixaban for extended treatment of venous thromboembolism. N Engl J Med. 2013;368(8):699-708. 3. Agnelli G, Buller HR, Cohen A, et al; for the AMPLIFY-EXT Investigators. Apixaban for extended treatment of venous thromboembolism. N Engl J Med. 2013;368(8):699-708. 4. Agnelli G, Buller HR, Cohen A, et al. Oral apixaban for the treatment of venous thromboembolism in cancer patients: results from the AMPLIFY trial. J Thromb Haemost. 2015;13(12):2187-2191.

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# For reducing the risk of recurrent DVT/PE following initial therapy,



### Why placebo?

The placebo arm simulated patients with DVT/PE who would have received no further treatment after completing initial therapy.

## ELIQUIS increases the risk of bleeding and can cause serious, potentially fatal, bleeding.

- Discontinuation rate due to bleeding events: 1.0% with ELIQUIS vs 0.4% with placebo
- In AMPLIFY-EXT, the most commonly observed adverse reactions in patients treated with ELIQUIS (incidence  $\geq 1\%$ ) were epistaxis, hematuria, hematoma, contusion, and gingival bleeding

\*Recurrent symptomatic VTE (nonfatal DVT or nonfatal PE). <sup>+</sup>Events associated with each endpoint were counted once per subject, but subjects may have contributed events to multiple endpoints.

### SELECTED IMPORTANT SAFETY INFORMATION: DRUG INTERACTIONS (cont'd)

carbamazepine, phenytoin, St. John's wort) because such drugs will decrease exposure to apixaban.

References: 1. ELIQUIS<sup>®</sup> (apixaban). Package Insert. Bristol-Myers Squibb Company, Princeton, NJ, and Pfizer Inc., New York, NY. 2. Agnelli G, Buller HR, Cohen A, et al; for the AMPLIFY-EXT Investigators. Apixaban for extended treatment of venous thromboembolism. N Engl J Med. 2013;368(8):699-708.

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• Combined P-gp and Strong CYP3A4 Inducers: Avoid concomitant use of ELIQUIS with combined P-gp and strong CYP3A4 inducers (e.g., rifampin,





## From selected double-blind, randomized, phase 3 trials Summary of primary efficacy and safety endpoints<sup>1-3</sup>

			<b>PROVEN EFFICACY</b> Primary <b>efficacy</b> endpoint	MAJOR BLEEDING EVENTS Primary safety endpoint	ELIQUIS increases the risk of ble cause serious, potentially fatal,
Fo tre of	r the eatment VTE	AMPLIFY ELIQUIS Is enoxaparin/warfarin	<text><text></text></text>	<text><text><text><text><text></text></text></text></text></text>	<ul> <li>In AMPLIFY, the discontinuation rate d bleeding events was 0.7% in patients ELIQUIS compared with 1.7% in patient with enoxaparin/warfarin</li> <li>In AMPLIFY, the most commonly observatives reactions in patients treated w (incidence ≥1%) were epistaxis, contract hematuria, menorrhagia, hematoma, hematoma, hematoma, hematoma, and gingival bleed</li> </ul>
Fo the rec PE ini	r reducing e risk of current DVT/ following tial therapy	AMPLIFY-EXT ELIQUIS	<b>SUPERIOR</b> <b>IN RECURRENT VTE*/</b> <b>ALL-CAUSE DEATH</b> 3.8% (32/840) with ELIQUIS 2.5 mg twice daily vs 11.6% (96/829) with placebo RR=0.33 (95% CI: 0.22, 0.48) <i>P</i> <0.0001 67% RRR, 7.8% ARR	<b>SIMILAR</b> <b>DOCUMPACE DECOMPANS</b> <b>DOCUMPACE DECOMPANS</b> <b>DOCUMPASS</b> <b>DOCUMPASS</b> <b>DOCUMPASS</b> <b>DOCUMPASS</b>	<ul> <li>In AMPLIFY-EXT, the discontinuation rableeding events was approximately 1.4 ELIQUIS vs 0.4% with placebo</li> <li>In AMPLIFY-EXT, the most commonly adverse reactions in patients treated velocity (incidence ≥1%) were epistaxin hematuria, hematoma, contusion, and gingival bleeding</li> </ul>

Major bleeding was defined as clinically overt bleeding accompanied by  $\geq 1$  of the following<sup>3-5</sup>: a decrease in hemoglobin of  $\geq 2$  g/dL; transfusion of  $\geq 2$  units of packed red blood cells; bleeding that occurred in at least one of the following critical sites: intracranial, intraspinal, intraocular, pericardial, intra-articular, intramuscular with compartment syndrome, or retroperitoneal; and fatal bleeding.

\*Recurrent symptomatic VTE (nonfatal DVT or nonfatal PE). <sup>+</sup>Events associated with each endpoint were counted once per subject, but subjects may have contributed events to multiple endpoints.

### SELECTED IMPORTANT SAFETY INFORMATION: DRUG INTERACTIONS (cont'd)

the combination of aspirin and clopidogrel, was terminated early due to a higher rate of bleeding with apixaban compared to placebo.

References: 1. ELIQUIS<sup>®</sup> (apixaban). Package Insert. Bristol-Myers Squibb Company, Princeton, NJ, and Pfizer Inc., New York, NY. 2. Connolly SJ, Eikelboom J, Joyner C, et al; for the AVERROES Steering Committee and Investigators. Apixaban in patients with atrial fibrillation. N Engl J Med. 2011;364(9):806-817. 3. Agnelli G, Buller HR, Cohen A, et al; for the AMPLIFY-EXT Investigators. Apixaban for extended treatment of venous thromboembolism. N Engl J Med. 2013;368(8):699-708. 4. Agnelli G, Buller HR, Cohen A, et al; for the AMPLIFY Investigators. Oral apixaban for the treatment of acute venous thromboembolism. N Engl J Med. 2013;369(9):799-808. 5. Agnelli G, Buller HR, Cohen A, et al. Oral apixaban for the treatment of venous thromboembolism in cancer patients: results from the AMPLIFY trial. J Thromb Haemost. 2015;13(12):2187-2191.

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• Anticoagulants and Antiplatelet Agents: Coadministration of antiplatelet agents, fibrinolytics, heparin, aspirin, and chronic NSAID use increases the risk of bleeding. APPRAISE-2, a placebo-controlled clinical trial of apixaban in high-risk post-acute coronary syndrome patients treated with aspirin or

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### **IMPORTANT SAFETY INFORMATION**

#### WARNING: (A) PREMATURE DISCONTINUATION OF ELIQUIS INCREASES THE RISK OF THROMBOTIC EVENTS, (B) SPINAL/EPIDURAL HEMATOMA

(A) Premature discontinuation of any oral anticoagulant, including ELIQUIS, increases the risk of thrombotic events. If anticoagulation with ELIQUIS is discontinued for a reason other than pathological bleeding or completion of a course of therapy, consider coverage with another anticoagulant. (B) Epidural or spinal hematomas may occur in patients treated with ELIQUIS who are receiving neuraxial anesthesia or undergoing spinal puncture. These hematomas may result in long-term or permanent paralysis. Consider these risks when scheduling patients for spinal procedures. Factors that can increase the risk of developing epidural or spinal hematomas in these patients include:

- use of indwelling epidural catheters
- a history of traumatic or repeated epidural or spinal punctures
- a history of spinal deformity or spinal surgery
- optimal timing between the administration of ELIQUIS and neuraxial procedures is not known

Monitor patients frequently for signs and symptoms of neurological impairment. If neurological compromise is noted, urgent treatment is necessary. Consider the benefits and risks before neuraxial intervention in patients anticoagulated or to be anticoagulated.

### **CONTRAINDICATIONS**

- Active pathological bleeding
- Severe hypersensitivity reaction to ELIQUIS (e.g., anaphylactic reactions)

### WARNINGS AND PRECAUTIONS

- transition from ELIQUIS to warfarin in clinical trials in atrial fibrillation patients. If ELIQUIS is discontinued for a reason other than pathological bleeding or completion of a course of therapy, consider coverage with another anticoagulant.
- Bleeding Risk: ELIQUIS increases the risk of bleeding and can cause serious, potentially fatal, bleeding.
  - heparin, thrombolytic agents, SSRIs, SNRIs, and NSAIDs.
  - with active pathological hemorrhage.
- or spinal hematoma which can result in long-term or permanent paralysis. by traumatic or repeated epidural or spinal puncture. If traumatic puncture occurs, delay the administration of ELIQUIS for 48 hours. potential benefit versus the risk of neuraxial intervention in ELIQUIS patients.

• concomitant use of other drugs that affect hemostasis, such as nonsteroidal anti-inflammatory drugs (NSAIDs), platelet inhibitors, other anticoagulants

• Increased Risk of Thrombotic Events after Premature Discontinuation: Premature discontinuation of any oral anticoagulant, including ELIQUIS, in the absence of adequate alternative anticoagulation increases the risk of thrombotic events. An increased rate of stroke was observed during the

• Concomitant use of drugs affecting hemostasis increases the risk of bleeding, including aspirin and other antiplatelet agents, other anticoagulants,

• Advise patients of signs and symptoms of blood loss and to report them immediately or go to an emergency room. Discontinue ELIQUIS in patients

• The anticoagulant effect of apixaban can be expected to persist for at least 24 hours after the last dose (i.e., about two half-lives). An agent to reverse the anti-factor Xa activity of apixaban is available. Please visit www.andexxa.com for more information on availability of a reversal agent. • Spinal/Epidural Anesthesia or Puncture: Patients treated with ELIQUIS undergoing spinal/epidural anesthesia or puncture may develop an epidural

The risk of these events may be increased by the postoperative use of indwelling epidural catheters or the concomitant use of medicinal products affecting hemostasis. Indwelling epidural or intrathecal catheters should not be removed earlier than 24 hours after the last administration of ELIQUIS. The next dose of ELIQUIS should not be administered earlier than 5 hours after the removal of the catheter. The risk may also be increased

Monitor patients frequently and if neurological compromise is noted, urgent diagnosis and treatment is necessary. Physicians should consider the

### (continued on next page)



### **IMPORTANT SAFETY INFORMATION (cont'd)**

### WARNINGS AND PRECAUTIONS (cont'd)

- in these patients.
- or who may receive thrombolysis or pulmonary embolectomy.
- Increased Risk of Thrombosis in Patients with Triple Positive Antiphospholipid Syndrome (APS): Direct-acting oral anticoagulants (DOACs), [positive for lupus anticoagulant, anticardiolipin, and anti-beta 2-glycoprotein I antibodies]), treatment with DOACs has been associated with increased rates of recurrent thrombotic events compared with vitamin K antagonist therapy.

#### **ADVERSE REACTIONS**

• The most common and most serious adverse reactions reported with ELIQUIS were related to bleeding.

#### **TEMPORARY INTERRUPTION FOR SURGERY AND OTHER INTERVENTIONS**

adequate hemostasis has been established.

#### **DRUG INTERACTIONS**

taking 2.5 mg twice daily, avoid coadministration of ELIQUIS with combined P-gp and strong CYP3A4 inhibitors. Clarithromycin

Although clarithromycin is a combined P-gp and strong CYP3A4 inhibitor, pharmacokinetic data suggest that no dose adjustment is necessary with concomitant administration with ELIQUIS.

- carbamazepine, phenytoin, St. John's wort) because such drugs will decrease exposure to apixaban.
- the combination of aspirin and clopidogrel, was terminated early due to a higher rate of bleeding with apixaban compared to placebo.

#### PREGNANCY

- adverse developmental outcomes. Treatment may increase the risk of bleeding during pregnancy and delivery, and in the fetus and neonate.
  - Labor or delivery: ELIQUIS use during labor or delivery in women who are receiving neuraxial anesthesia may result in epidural or spinal hematomas. Consider use of a shorter acting anticoagulant as delivery approaches.

• Prosthetic Heart Valves: The safety and efficacy of ELIQUIS have not been studied in patients with prosthetic heart valves and is not recommended

• Acute PE in Hemodynamically Unstable Patients or Patients who Require Thrombolysis or Pulmonary Embolectomy: Initiation of ELIQUIS is not recommended as an alternative to unfractionated heparin for the initial treatment of patients with PE who present with hemodynamic instability

including ELIQUIS, are not recommended for use in patients with triple-positive APS. For patients with APS (especially those who are triple positive

• ELIQUIS should be discontinued at least 48 hours prior to elective surgery or invasive procedures with a moderate or high risk of unacceptable or clinically significant bleeding. ELIQUIS should be discontinued at least 24 hours prior to elective surgery or invasive procedures with a low risk of bleeding or where the bleeding would be noncritical in location and easily controlled. Bridging anticoagulation during the 24 to 48 hours after stopping ELIQUIS and prior to the intervention is not generally required. ELIQUIS should be restarted after the surgical or other procedures as soon as

• Combined P-gp and Strong CYP3A4 Inhibitors: Inhibitors of P-glycoprotein (P-gp) and cytochrome P450 3A4 (CYP3A4) increase exposure to apixaban and increase the risk of bleeding. For patients receiving ELIQUIS doses of 5 mg or 10 mg twice daily, reduce the dose of ELIQUIS by 50% when ELIQUIS is coadministered with drugs that are combined P-gp and strong CYP3A4 inhibitors (e.g., ketoconazole, itraconazole, or ritonavir). In patients already

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• Anticoagulants and Antiplatelet Agents: Coadministration of antiplatelet agents, fibrinolytics, heparin, aspirin, and chronic NSAID use increases the risk of bleeding. APPRAISE-2, a placebo-controlled clinical trial of apixaban in high-risk post-acute coronary syndrome patients treated with aspirin or

• The limited available data on ELIQUIS use in pregnant women are insufficient to inform drug-associated risks of major birth defects, miscarriage, or

#### (continued on next page)





### **IMPORTANT SAFETY INFORMATION (cont'd)**

#### LACTATION

• Breastfeeding is not recommended during treatment with ELIQUIS.

### FEMALES AND MALES OF REPRODUCTIVE POTENTIAL

uterine bleeding, potentially requiring gynecological surgical interventions, identified with oral anticoagulants including ELIQUIS should be assessed in these patients and those with abnormal uterine bleeding.

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• Females of reproductive potential requiring anticoagulation should discuss pregnancy planning with their physician. The risk of clinically significant

