Important Risk Minimisation Information for Healthcare Professionals

Pradaxa® (dabigatran etexilate) PRESCRIBER GUIDE

The recommendations only refer to the indications:

- · Stroke prevention in atrial fibrillation
- Treatment of deep vein thrombosis (DVT) and pulmonary embolism (PE), and prevention
 of recurrent DVT and PE in adults (DVT/PE)

This guide provides recommendations for the use of Pradaxa® in order to minimise the risk of bleeding

- Indications
- Contraindications
- · Perioperative management
- Dosing
- Special patient populations potentially at higher risk of bleeding
- Coagulation tests and their interpretation
- Overdose
- Management of bleeding complications
- PRADAXA® Patient Alert Card and counselling

This prescriber guide does not substitute the Pradaxa Summary of Product Characteristics^{1,2}, which may be accessed on the European Medicines Agency web site: http://www.ema.europa.eu/

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PRADAXA® PATIENT ALERT CARD AND COUNSELLING

A Patient alert card is provided to your patient in the Pradaxa® package. The patient should be instructed to carry the Patient alert card at all times and present it when seeing a healthcare provider. The patient should be counselled about the need for compliance and signs of bleeding and when to seek medical attention.



INDICATIONS^{1,2}

- Prevention of stroke and systemic embolism in adult patients with non-valvular atrial fibrillation, with one or more risk factors (SPAF), such as prior stroke or transient ischemic attack (TIA); age ≥75 years; heart failure (NYHA Class ≥II); diabetes mellitus; hypertension
- Treatment of deep vein thrombosis (DVT) and pulmonary embolism (PE), and prevention of recurrent DVT and PE in adults (DVT/PE)



CONTRAINDICATIONS^{1,2}

- Hypersensitivity to the active substance or to any of the excipients
- Severe renal impairment (creatinine clearance [CrCL] <30 mL/min)
- Active clinically significant bleeding
- Lesion or condition, if considered a significant risk factor for major bleeding. This may include:

- current or recent gastrointestinal ulceration
- presence of malignant neoplasms at high risk of bleeding
- recent brain or spinal injury
- recent brain, spinal or ophthalmic surgery
- recent intracranial haemorrhage
- known or suspected oesophageal varices
- arteriovenous malformations
- vascular aneurysms or major intraspinal or intracerebral vascular abnormalities
- Concomitant treatment with any other anticoagulant agent e.g.
 - unfractionated heparin (UFH)
 - low molecular weight heparins (enoxaparin, dalteparin etc.)
 - heparin derivatives (fondaparinux etc.)
 - oral anticoagulants (warfarin, rivaroxaban, apixaban etc.)

except under specific circumstances. These are switching anticoagulant therapy, when UFH is given at doses necessary to maintain an open central venous or arterial catheter or when UFH is given during catheter ablation for atrial fibrillation.

- Hepatic impairment or liver disease expected to have any impact on survival
- Concomitant treatment with the following strong
 P-gp inhibitors: systemic ketoconazole, cyclosporine, itraconazole and dronedarone
- Prosthetic heart valves requiring anticoagulant treatment

RECOMMENDED DAILY DOSE



Dose recommendation

Prevention of stroke and systemic embolism in adult patients with NVAF with one or more risk factors (SPAF)

Treatment of deep vein thrombosis (DVT) and pulmonary embolism (PE), and prevention of recurrent DVT, and PE in adults (DVT/PE)

300~mg Pradaxa* taken as one 150 mg capsule twice daily

300 mg Pradaxa® taken as one 150 mg capsule twice daily following treatment with a parenteral anticoagulant for at least 5 days



Treatment with parenteral anticoagulant



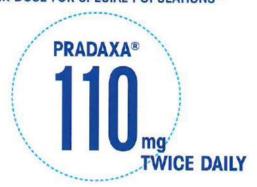
Stop after ≥5 days



Start Pradaxa®

DOSE REDUCTION

LOWER DOSE FOR SPECIAL POPULATIONS*2



	Dose recommendation
Dose reduction recommended	
Patients aged ≥80 years	Daily dose of 220 mg Pradaxa® taken as one
Patients who receive concomitant verapamil	110 mg capsule twice daily
Dose reduction for consideration	
Patients between 75–80 years	
Patients with moderate renal impairment (CrCL 30–50 mL/min)	Daily dose of Pradaxa® of 300 mg or 220 mg should be selected based on an individual
Patients with gastritis, oesophagitis or gastroesophageal reflux	assessment of the thromboembolic risk and the risk of bleeding
Other patients at increased risk of bleeding	

Duration of use

Indication	Duration of use
SPAF	Therapy should be continued long term.
DVT/PE	The duration of therapy should be individualised after careful assessment of the treatment benefit against the risk for bleeding. Short duration of therapy (at least 3 months) should be based on transient risk factors (e.g. recent surgery, trauma, immobilisation) and longer durations should be based on permanent risk factors or idiopathic DVT or PE.



- Renal function should be assessed by calculating the CrCL by the Cockcroft-Gault* method prior to initiation of treatment with Pradaxa® to exclude patients with severe renal impairment (i.e. CrCL <30 mL/min)
- Renal function should also be assessed when a decline in renal function is suspected during treatment (e.g. hypovolaemia, dehydration, and in case of concomitant use of certain medicinal products)
- In elderly patients (>75 years) or patients with renal impairment, the renal function should be assessed at least once a year

*Cockcroft-Gault formula

For creatinine in mg/dL

(140-age [years]) \times weight [kg] (\times 0.85 if female)

72 \times serum creatinine [mg/dL]

For creatinine in μ mol/L

1.23 \times (140-age [years]) \times weight [kg] (\times 0.85 if female)

serum creatinine [µmol/L]



SWITCHING

Pradaxa® treatment to parenteral anticoagulant

It is recommended to wait 12 hours after the last dose before switching from Pradaxa® to a parenteral anticoagulant.



Last dose of Pradaxa[®]



Wait 12 hrs





Start injectable anticoagulant and stop Pradaxa®

Parenteral anticoagulants to Pradaxa®

The parenteral anticoagulant should be discontinued and Pradaxa® should be started 0–2 hours prior to the time that the next dose of the atternate therapy would be due, or at the time of discontinuation in case of continuous treatment (e.g. intravenous Unfractionated Heparin (UFH)).



Previous injectable anticoagulant



Start Pradaxa® 0–2 hours before next dose of injectable anticoagulant is due





Do not give due dose of injectable anticoagulant

Pradaxa® treatment to Vitamin K antagonists (VKA)

The starting time of the VKA should be adjusted based on CrCL as follows:

- CrCL ≥50 mL/min, start VKA 3 days before discontinuing Pradaxa®
- CrCL ≥30 <50 mL/min, start VKA 2 days before discontinuing Pradaxa®



Because Pradaxa® can impact International Normalised Ratio (INR), the INR will better reflect VKA's effect only after Pradaxa® has been stopped for at least 2 days. Until then, INR values should be interpreted with caution.

VKA to Pradaxa®

The VKA should be stopped. Pradaxa® can be given as soon as the INR is <2.0.











VKA

Stop

When INR <2.0

Start Pradaxa®

Cardioversion

Patients with non-valvular atrial fibrillation treated for prevention of stroke and systemic embolism can stay on Pradaxa® while being cardioverted.

Catheter ablation for atrial fibrillation

Catheter ablation can be conducted in SPAF patients on 150 mg twice daily Pradaxa® treatment. Pradaxa® treatment does not need to be interrupted.

There are no data available for 110 mg twice daily Pradaxa® treatment.

Percutaneous coronary intervention (PCI) with stenting

SPAF patients with non valvular atrial fibrillation who undergo a PCI with stenting can be treated with Pradaxa® in combination with antiplatelets after haemostasis is achieved.

Method of administration

Pradaxa® is for oral use.

- The capsules can be taken with or without food.
 Pradaxa® should be swallowed whole with a glass of water, to facilitate delivery to the stomach
- Do not break, chew, or empty the pellets from the capsule since this may increase the risk of bleeding



SPECIAL PATIENT POPULATIONS POTENTIALLY AT HIGHER RISK OF BLEEDING^{1,2}

Patients with an increased bleeding risk (see Table 1 overleaf) should be closely monitored for signs or symptoms of bleeding or anaemia, especially if risk factors are combined. An unexplained fall in haemoalobin and/or haematocrit or blood pressure should lead to a search for a bleeding site. Dose adjustment should be decided at the discretion of the physician, following assessment of the potential benefit and risk to an individual patient (see above). A coagulation test (see section on Coagulation tests and their interpretation) may help to identify patients with an increased bleeding risk caused by excessive dabigatran exposure. When excessive dabigatran exposure is identified in patients at high risk of bleed, a dose of 220 ma given as one 110 mg capsule twice daily is recommended. When clinically relevant bleeding occurs, treatment should be interrupted.

For situations of life-threatening or uncontrolled bleeding, when rapid reversal of the anticoagulation effect of dabigatran is required, the specific reversal agent (Praxbind® , idarucizumab) is available. 10

Table 1* summarises factors which may increase patients' haemorrhagic risk	
Pharmacodynamic and kinetic factors	Age ≥75 years
Factors increasing dabigatran plasma levels	Major: Moderate renal impairment (30–50 mL/min CrCL)† Strong P-gp† inhibitors (see section Contraindications) Mild to moderate P-gp inhibitor co-medication (e.g. amiodarone, verapamil, quinidine and ticagrelor) Minor: Low body weight (<50 kg)
Pharmacodynamic interactions	 Acetylsalicylic acid and other platelet aggregation inhibitors such as clopidogrel NSAID SSRIs or SNRIs* Other medicinal products which may impair haemostasis
Diseases/procedures with special haemorrhagic risks	 Congenital or acquired coagulation disorders Thrombocytopenia or functional platelet defects Oesophagitis, gastritis, gastroesophageal reflux Recent biopsy, major trauma Bacterial endocarditis

^{*}For special patient populations requiring a reduced dose, see section Dosing.

[†]CrCL: Creatinine clearance; P-gp: P-glycoprotein;

^{*}SSRIs: selective serotonin re-uptake inhibitors; SNRIs: serotonin norepinephrine re-uptake inhibitors.



----- PERIOPERATIVE MANAGEMENT

Surgery and interventions

Patients on Pradaxa® who undergo surgery or invasive procedures are at increased risk for bleeding. Therefore, surgical interventions may require the temporary discontinuation of Pradaxa®.

Clearance of dabigatran in patients with renal insufficiency may take longer. This should be considered in advance of any procedures.

Emergency surgery or urgent procedures

Pradaxa® should be temporarily discontinued. When rapid reversal of the anticoagulation effect of dabigatran is required the specific reversal agent (Praxbind®, idarucizumab) to Pradaxa® is available.¹⁰

Reversing dabigatran therapy exposes patients to the thrombotic risk of their underlying disease. Pradaxa® treatment can be re-initiated 24 hours after administration of Praxbind® (idarucizumab), if the patient is clinically stable and adequate haemostasis has been achieved.

Subacute surgery/interventions

Pradaxa® should be temporarily discontinued. A surgery/Intervention should be delayed if possible until at least 12 hours after the last dose. If surgery cannot be delayed the risk of bleeding may be increased. This risk of bleeding should be weighed against the urgency of intervention (for cardioversion see above).

Elective surgery

If possible, Pradaxa® should be discontinued at least 24 hours before invasive or surgical procedures. In patients at higher risk of bleeding or in major surgery where complete haemostasis may be required consider stopping Pradaxa® 2-4 days before surgery. For discontinuation rules see Table 2.

Table 2: Discontinuation	rules before invasive or	surgical procedures
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Renal function (CrCL mL/min)	Estimated half-life (hours)	Stop P
		High ri or ma
≥80	~13	2 days
≥50 - <80	~15	2-3 de
≥30 - <50	-18	4 days

Stop Pradaxa® before e	lective surgery
High risk of bleeding or major surgery	Standard risk
2 days before	24 hours before
2-3 days before	1–2 days before
4 days before	2–3 days before (>48 hours)

Spinal anaesthesia/epidural anaesthesia/lumbar puncture

The risk of spinal or epidural haematoma may be increased in cases of traumatic or repeated puncture and by the prolonged use of epidural catheters. After removal of a catheter, an interval of at least 2 hours should elapse before the administration of the first dose of Pradaxa®. These patients require frequent observation for neurological signs and symptoms of spinal or epidural haematoma.



COAGULATION TESTS AND THEIR INTERPRETATION³

Pradaxa® treatment does not need routine clinical monitoring.^{4,5} In cases of suspected overdose or in patients treated with Pradaxa® presenting in emergency departments or prior to surgery, it may be advisable to assess the anticoagulation status.

- International Normalised Ratio (INR)
 The INR test is unreliable in patients on Pradaxa® and should not be performed.
- Activated Partial Thromboplastin Time (aPTT)
 The aPTT test provides an approximate indication of the anticoagulation status but is not suitable for precise quantification of anticoagulant effect.
- Dilute Thrombin Time (dTT), Thrombin Time (TT), Ecarin Clotting Time (ECT)

There is a close correlation between plasma

dabigatran concentration and degree of anticoagulant effect.¹⁻³ For a quantitative measurement of dabigatran plasma concentrations, several dabigatran calibrated assays based on dTI have been developed.⁶⁻⁹ A diluted TT measure^{1,2} (dTT) of >200 ng/mL dabigatran plasma concentration prior to the next medicinal product intake may be associated with a higher risk of bleeding^{1,2}. A normal dTT measurement indicates no clinical relevant anticoagulant effect of dabigatran. TT and ECT may provide useful information, but the tests are not standardised.

Table 3: Coagulation test thresholds at trough (i.e. prior to the next medicinal product intake) that may be associated with an increased risk of bleeding. Please note: in the first 2–3 days after surgery, there may be greater test variability therefore results should be interpreted with caution.^{3,4}

Test (trough value)	
dTT [ng/mL]	>200
ECT [x-fold upper limit of normal]	>3
aPTT [x-fold upper limit of normal]	>2
INR	Should not be performed

Time point: Anticoagulant parameters depend on the time when the blood sample was taken relative to the time when the previous dose was given. A blood sample taken 2 hours after Pradaxa® ingestion (~peak level) will have different (higher) results in all clotting tests compared with a blood sample taken 10–16 hours (trough level) after ingestion of the same dose.



OVERDOSE1-3

In cases where overdose is suspected, coagulation tests may help to assess the coagulation status. Excessive anticoagulation may require interruption of Pradaxa®. Since dabigatran is excreted predominantly by the renal route, adequate diuresis must be maintained. As protein binding is low, dabigatran can be dialysed; there is limited clinical experience to demonstrate the utility of this approach in clinical studies. Dabigatran overdose may lead to haemorrhage. In the event of haemorrhagic complications, treatment must be discontinued and the source of bleeding investigated (see section Management of bleeding complications). General supportive measures such as application of oral activated charcoal may be considered to reduce absorption of dabigatran.

MANAGEMENT OF BLEEDING COMPLICATIONS^{1-3,10}

For situations when rapid reversal of the anticoagulant effect of Pradaxa® is required (life-threatening or uncontrolled bleeding or for emergency surgery/ urgent procedures) a specific reversal agent Praxbind® (idarucizumab) is available. Depending on the clinical situation appropriate standard treatment, e.g., surgical haemostasis and blood volume replacement, should be undertaken. Consideration may be given to the use of fresh whole blood, fresh frozen plasma and/or

platelet concentrates in cases where thrombocytopenia is present or long-acting antiplatelet medicinal products have been used. Coagulation factor concentrates (activated or non-activated) or recombinant Factor VIIa may be taken into account. However, clinical data are very limited.

Reporting suspected adverse reactions after authorisation of the medicinal product is important. It allows continued monitoring of the benefit/risk balance of the medicinal product. Healthcare professionals are asked to report any suspected adverse reactions via:

ADR Reporting – adverse events should be reported via www.medicinesauthority.gov.mt/adrportal. Adverse events should also be reported to Boehringer Ingelheim – Malta at Vivian Corporation Limited on 80073101 (Freephone)

References

1. Boehringer Ingelheim. Pradaxa® 150mg hard capsules Summary of Product Characteristics. 2. Boehringer Ingelheim. Pradaxa® 110mg hard capsules Summary of Product Characteristics. 3. van Ryn J et al. Thromb Haemost 2010; 103:1116–1127. 4. Liesenfeld K-H et al. Br J Clin Pharmacol 2006; 62:527–537. 5. Stangler J et al. Br J Clin Pharmacol 2007; 64:292–303. 6. Hemoclot® thrombin inhibitor assay (Hyphen BroMed, Neuville-sur Oise, France). www.clottingtesting.com 7. Hemosll.® assay (Instrumentation Laboratory, Werfen Group, Barcelona, Spain). www.instrumentationlaboratory.com 8. Technoclot® DTI Dabigation assay (Technoclone GmbH, Vienna, Austria). www.technoclone.com 9. INNOVANCE® DTI Assay (Siemens Healthineers GmbH, Erlangen, Germany). https://www.healthcare.siemens.com/hemostasis 10. Pollack C et al. NEJM 2015; 373:511–20.

Prescribing Information (SPAF and DVT/PE Ireland)

PRADAXA® (dabigatran etexilate) Capsules containing 110 mg or 150 mg dabigatran etexilate (as mesiate) Action: Direct thrombin inhibitor Indications. Prevention of stoke and systemic embosism in adult patients with non-valuus latial fluitation dWMF (with one or more risk factors (SPMF), such as prior shoke, or bransent ischeemic attack (TIA), age ≥ 75 years, Peart failure (NYHA Class ≥ Nr diobetes mellitus; hypertension Treatment of 2.73 years: Teart failure (in Pre-Vases a transfers frequents operandes) in resimilar, or deep void in thombosic (DVI) and policy operandes in Pt.), and given often it is coursent. DVT and PE in adults (DVT/PE), Dose and Administration: Peruil function should be assessed by catchelling creations of deep remove (DCL) prior to initiation to exclude policies, with severe renal impairment (DCL) < 30 int.min). SPAF: Recommended daily dose 300 mg takes as one 150 mg capacitis twice daily. This appropriate the continued long-term. DVT/PE: Recommended daily dose 300 mg takes as one 150 mg capacite twice daily.</p> following treatment with parenteral anticoagolarit for at least 5 days. Duration of treatment shrauld be individualissed after careful assessment of the treatment benefit against risk for bleeding. Short duration of therapy (at least three mentils) should be based on transient hisk factors (e.g., recent surgery, trauma, mimobilisation) and longer directors should be based on permanent risk factors or idiopathic DVT or PE. In case of moterability to dabigation, patients should be instructed to immediately consolt their doctor. For patients aged SB years or above, or those receiving concomitant veracramit, the recommended daily dase is Pradaza 220 mg taleon as 110 mg twice daily. Pradaxa and verapamal should be taken at the same time. For the following patient groups, the daily dose of 300 mg or 220 mo should be selected based on an individual assessment of the thromboembolic risk and inities of the eding aged 75 – 80 years; with moderate renal imperiment, Crica 30-56 mL/ min; with gestifies, resopting tills or gastrosophageal reflux, other tiek of increased bleeding. Close clinical surveillance is recommended in patients with renal impairment. Deeping Code cumparishment and applications with severe rend impairment (CCL < 30 mL/min). In all peliests and especially the clicket y < 75 years assess send function by calculating CCL, prior to initiation to exclude patients with severe rend impairment. Renal function should also be assessed when a decline innernal function is suspected. Additionally in patients > 75 years or with mild to moderate neval imperment, revall function should also be assed at least once a year or more frequently as needed in certain clinical situations when it is sespected that the renal function could decline or data locate. Patients with an increased risk of bleeding, closely maintor crinically locking for signs of bleeding or anaemia. A coagulation test may help identify increased risk patients. No dose adjustment required but close direct surveillance in patients < 50 kg. It switching from Phadosa to previously articopagitant wait 12 hours after the last dose of Phadosa: if witching from previously articopagitant to Phadosa disconliner the previously articopagitant and start Phadosa 0-2 hours prior to the time that the next dose of the attended micropy would be due, or at the time of discontinuation in case of continuous treatment. If switching from Fradaxa to VKA adjust the starting time of the VKA based on CrCL; if switching from VKA to Pradaxa stop VKA and give Pradaxa once INR < 2.0. Cardioversion, patients can stay on Fraces sop VKA and par Padosa order PR < 2.0. Cardonalistic patients can have practice and provided in patients on 150 mg twine daily Pradosa treatment - treatment does not need to be interrupted. No data available for 110 mg twice daily Pradosa treatment - treatment does not need to be interrupted. No data available for 110 mg twice daily Pradosa treatment Practitaneous concernly therevention (PCI) with stanting (SPAF). Patients with non valuels artist Buildation with undergo a PCI with stanting can be treated with Pradosa in combination with morphoteless after harmstassis is additived. No relevant use of Pradosa in the paediatric. population in the SPAF indication. In DMT/PE indication safety and efficacy of Pradawa in operates than 18 years have not been established. Pradawa is for or all use and can be taken with or without food. Pradawa should be swallowed as a whole with a glass of water to facilitate delivery to the stomach. Patients should be instructed not to open the capsule as this may increase the risk of bleeding. Contraindications: Hypersensitivity to the active substance at to any of the excipients: severe renal impairment (O.C.) clinically significant bleeding, lesion or condition, if considered a significant risk factor for major breeding. This may include current or recent gastrointest includeration, presence or mangrount neoplasms at high risk of bleeding, recent brain or spinel injury recent brain

spiral or ophthalmic surgery recent intracansal hermorthage, known or suspected oesophageal varioes, arteriovenous malformations, vascular aneurysms or major intraspinal or intracerebral vascular abnormalities; concernit articoggiants e.g. unhactionated hapern (UFH), low molecular weight treparins genovaperin, dallepoin etc., teparin derivatives (fondaparinus etc), oral articoggiants (warfarin, rivaroxabari, apixaban etc) except under specific circumstances. These are settoring anticoagulant therapy, when UFH is given at doses necessary to maintain an open central versus or arterial catheter or when UFH is given during catheter abitation to. atrial fibrillation; hepatic impairment or liver disease expected to have any impact on survivat concentrant treatment with the following strong P-glycoprotein (P-gp) inhibitors: systemic letroconazole, cyclosporine, traconazole, discretarone, prosthetic heart values requiring anticoagulant treatment. Warmings and Precautions: Not recommended if tive enzymes > 2 LLN. Haemornhagic risk: Close clinical surveillance (signs of bleeding or unsernia) is recommended throughout the treatmost period, especially if haemorthagic risk is increased or risk factors combined. For situations of life-threatening or uncontrolled bleeding when regid reversal of autocognishing effect of dialogation is required, the specific reversal agent (Practical, identicization) is available. Factors which may intrease transmittingle, tisk, age ≥ 75 years; moderate renal impairment (O.C. 30 -50 mL/mit). P-glycoprotein inhibitor co-medication, body weight < 50 kg, acetylsalicylis acid (asprin) and other platielet aggregation inhibitors such as obpidogref. NSAD: selective sexulomin re-uptake inhibitors (SSRIs) or selective serotorim norepinephrine re-uptake inhibitors (SNRIs); other medicinal products which may impair hermostasis; diseases/procedures correct and recognition particles with a mask of breating such as coagulation disorders, thrombopytopenia or functional platetet defects, recent Diopsy, major frauma, busterial embosabilitis, desophragitis, gashibis or gashibesophrageal retain. The measurement of distinguran related anticoagulation may be helpful to detect excessive high exposure to debigation in the presence of additional risk factors. Patients who develop acute renal factors must discontinue Pradaxa. When severe bleading occurs, discontinue beatment, investigate the source of the bleeding and use of the specific reversal agent Praxisid (idanucuumab) ma be considered. Avoid or use with caution medicinal products which may increase the ris of transmittingui. The use of Binninelyllic medicinal products for the breatment of acute ischaemic stocke may be considered if the petient presents with a dTT, ECT or aFTT nor exceeding the upper limit of normal (JEM) according to the local reference range. Avoid concomisant administration with P-go inducers. Patients on distinguiran ecolorie who undergo surgery or threative procedures are at increased risk for bleading therefore surgical interventions may require the temporary discontinuation of distinguiran etablicae. In emergency surgery or urgent procedures, when rapid reversal of the emicoapulation effect is required the specific reversal agent (Prasbnd, idenocramab) to datogatian is available Prescribers should consult the Summary of Product Characteristics for further information relating to surgery and interventions. Procedures such as spinal anaesthesia may require complete inaconsistic function. The risk of spiral or epictral harmstorns may be increased it cases of harmstic or repeated purcture and by the protonged use of epidural cathleters. After removal of a catheter an interval of at least 2 hours should elapse before the administration of the first dose of dabigation elevitate, these patients require frequent meraummasacummi merava ose orusagaran erwasia, resegnaments egular request observation for meurological signs and symptoms of social or acidical hermatoms. Isaal with carbin patients at high surgical mortality risk and with rithrasic risk factors for thromise-mitotic events. Myocaidial Infarction. Efficacy and safety have not been established for DWDPE patients with active cancer, Interactions; Pigp inhibitors - close clinical surveillance and dose reductions may be required (see above); containdicated kelocorazalia, dionedarone, frazorazalia, cyclosporitie, not recommended – lacrolinus; use with cardion – veragamit, amindarone, quinidine, clarithicimyclin, filosigrefor, posacorazalia. Pigni inducers e.g., rifampicin, St. John's wort, carbomacepine or phenytoin use should be avoided. Protease inhibitors e.g. ritonavir and its combinations with other protease infribitors – use not recommended. Anticoagulants and antiplatelet aggregati medicinal products. SSRIs or SNRIs. Paracopraede and other proton pump infribitors (P

wase countricidated with Pradays is clinical trials and consomitant PPI treatment did not was constrainteller in mergane in omica mais and constituent in the extension of our appear to returne the efficiely of Pradius. Paraliticine administration togother with Pradiusa had no climically relevant effect on the extent of assosption of disbigadian. Datagotian clearlate and distigation are not metabolised by cytodromic CVP450 system, theelbre rolated medicinal product interactions not expected. Fertility, pregnancy and lactation motors medicated product meta-closes not expected. Pethnisy, pregnancy and acctanom-Acold pregnancy quiring treatment. Do not use in pregnancy unless clearly concessary. Disconfigue hierarchic bedding during freatment. **Undesirable effects**: Most commonly reported advisers reactions are blendings occurring in total in approximately 16.6 % in politions with ratual Endulation heariest for the prevention of stoke and systemic emotism SEEs and 14.4 % in patients treated for DVTEF. Electing occurred in 19.4% of politicals in DVTFE prevention bits RE. MEDY and in 10.5% of patients in DVTFE prevention that RE-SONATE Adverse reactions dentified from the study in procention of thromboombics stokes and sections employed in DVTFE. and systems embolism in politicis with abili fibriliation and the shides in DVTPE beatment and in DVTPE presention are issed with requery, using the following convention: c = 1/1000 to c = 1/100, unsymmon (c = 1/1000 to c = 1/1000), and c = 1/1000 to c = 1/1000 to c = 1/1000 and known cannot be estimated from the available data. Since and SEE Common: arramita: epistaria: gostroi teatinal fraemontriage: abdominal pain: diamhosa, dispepsia, neusea; skin haemontriage, gentourological haemontriaga, including naematuria. Uncommon haemoglobin decreased: tirrombocytopenia: drug hypersensitivity astr. purifus intracional festivarhegs heerratorias heemorinage heemophysis rectal heemorinage, heemorinoidal heemorinage: gistrioriteatinal irosi: giatricealyllagills: gistricealyllagilar lollux disease; vorriting, dysphagic hepatic function atnormal/liver function test abnormal alarine aminotransferase increased aspartate aminotransferase increased. Pare: haematocrit decreased anaphylactic reaction, angloedema, urticaria. hecatic enzyme incressed; hyperbitrubinaemia; haemarthrosis; injection site hasmorthage cathete site been critique, basinatio haemontage, incisor ste been orthage. Not koson, bronchespasin, *DVTP*2: Common epistasis, gastrolitestrial haemontage dyspersio rectal haemontage, skin haemontage, gantourological haemontage, including haematuria. Discommoni anaemia: drug hypersensitivity, iasti: prindus; haematuria haemontaiga: haematysists; ahdisminal palin: dischivers; raissas. haemonthiada haemonthage; gastoinestinia üles: gastoesophagiists: gastoesophagiist paliticistinia dischivers conding hepatic function abroomat! liver hundron last abroomat, alanine aminotranslesase increased aspartate aminotransferase increased; hepatic enzyme increased; trasmentirosis; traumatic fraemontrage, Rana; thromborytopania; anaptin/actic maction. angicodenia: unbicala, situaciania l'aemarthèje, dysphajar, nijection site hiermorthage, catheter site hermorthèje, incision site haemorthage. Not loover hiermorphish decressed hiermationit decreaced, bionachiogeam hype billiodinaemia. Prescribers should consultifie Summay of Product Cheracteristics for further information on site effects. Pack sizes: Sammay of Product Interactives for mittle information on size effects, Pack States, 17.0 mg 66 openies 17.0 mg 60 cacedae Legal category PCM. Ma numbers, 17.0 mg 6 cuttings/442/007 (60 capsules); 15.0 mg EU/17/8/442/011 (60 capsules) Marketing Authorisation Holder. Buetringer Ingelheim International Gmitht, Binger Str. 173, D-55216 Ingelheim am Rhein, Germany, Prescribers should consult the Sammary of Product Christopher International Common Prescribers should consult the Sammary of request, from Boehringer Ingelheim Indand Ltd. The Crescent Building, Narthwood, Sandry, Dublin 9. Prepared in June 2018.

ADR Reporting – adverse events should be reported via www.medicinesauthority.gov.mt/adrportal. Adverse events should also be reported to Boehringer Ingelheim – Malta at Vivian Corporation Limited on 80073101 (Freephone)

