# Rixalta<sup>®</sup> 10

# Rivaroxaban

# FORMS AND PRESENTATION Rixalta® 10: Film Coated Tablet; Box of 10.

COMPOSITION Rixala\*10: Each film Coated Tablet contains 10mg of Rivaroxaban. Excipients: hypromellose, microcrystalline cellulose, sodium lauryl sulfate, lactose monohydrate, croscarmellose sodium, magnesium stearate, titanium dioxide, macrogol, red iron oxide.

### PHARMACOLOGICAL PROPERTIES

Pharmacodynamic properties Pharmacotherapeutic group: Antithrombotic agents , direct factor Xa inhibitors ATC code: B01AF01

# Mechanism of action

<u>excutanism of action</u> Rivaroxaban is a highly selective direct factor Xa inhibitor with oral bioavailability. Inhibition of factor Xa interrupts the intrinsic and extrinsic pathway of the blood coagulation cascade, inhibiting both thrombin formation and development of thrombi. Rivaroxaban does not inhibit thrombin (activated factor II) and no effects on platelets have been demonstrated. *Pharmacokinetic properties* Absorption

Pharmacokinetic properties Absorption Rivaroxaban is rapidly absorbed with maximum concentrations (Cmax) appearing 2 - 4 hours after tablet intake.

Rivaroxaban is rapidly absorbed with maximum concentrations (Cmax) appearing 2 - 4 hours after tablet intake. Oral absorption of rivaroxaban is almost complete and oral bioavailability is high (80 -100%) for the 2.5 mg and 10 mg tablet does, irrespective of fasting/fed conditions. Intake with food does not affect rivaroxaban AUC or Cmax at the 2.5 mg and 10 mg does. Rivaroxaban 2.5 mg and 10 mg tablets can be taken with or without food. Rivaroxaban pharmacokinetics are approximately linear up to about 15 mg once daily. At higher doses rivaroxaban displays dissolution limited absorption with decreased in fasting state than in fed state. Variability in rivaroxaban pharmacokinetics is moderate with inter-individual variability (CV%) ranging from 30% to 40%, apart from on the day of surgery and the following day when variability in exposure is high (70%). Absorption of rivaroxaban is dependent on the site of its release in the gastrointestinal tract. A 29% and 56% decrease in AUC and Cmax compared to tablet was reported when reduced when rivaroxaban is released in the distal small intestine, Exposure is further reduced when rivaroxaban is released in the tosmach should be avoided since this can result in reduced absorption and related rivaroxaban exposure. Bioavailability (AUC and Cmax) was compared for 20 mg rivaroxaban administered orally as a crushed tablet mixed in apple purce, or suspended in water and administered orally as a crushed tablet mixed in apple purce, or suspended to awhote tablet, Given the predictable, dose-proportional pharmacokinetic profile of rivaroxaban administered plasma mortein binding in blued applicable to lower rivaroxaban doses. <u>Distribution</u>

presentation of the study are likely applicable to lower rivaroxaban doses. <u>Distribution</u> Plasma protein binding in humans is high at approximately 92% to 95%, with serum albumin being the main binding component. The volume of distribution is moderate with Vss being approximately 50 litres. <u>Biotransformation and elimination</u> Of the administered rivaroxaban dose, approximately 2/3 undergoes metabolic degradation, with half then being eliminated renally and the other half eliminated by the faceal route. The final 1/3 of the administered dose undergoes direct renal excretion as unchanged active substance in the urine, mainly via active renal secretion. Rivaroxaban is metabolised via CYP3A4, CYP2J2 and CYP-independent mechanisms. Oxidative degradation of the morpholinone moiety and hydrolysis of the amide bonds are the major sites of biotransformation. Based on in vitro investigations rivaroxaban is a substrate of the transporter proteins P-gp (P-glycoprotein) and Berg (breast cancer resistance protein).

a substrate of the transporter proteins P-gp (P-glycoprotein) and Berp (breast cancer resistance protein). Unchanged rivaroxaban is the most important compound in human plasma, with no major or active circulating metabolites being present. With a systemic clearance of about 10 l/h, rivaroxaban can be classified as a low-clearance substance. After intravenous administration of a 1 mg dose the elimination half-life is about 4.5 hours. After oral administration the elimination becomes absorption rate limited. Elimination of rivaroxaban from plasma occurs with terminal half-lives of 5 to 9 hours in young individuals, and with terminal half-lives of 11 to 13 hours in the elderly.

# INDICATIONS

Prevention of venous thromboembolism (VTE) in adult patients undergoing elective hip or knee replacement surgery.
 Treatment of deep vein thrombosis (DVT) and pulmonary embolism (PE), and prevention of recurrent DVT and PE in adults.

prevention of recurrent DVT and PE in adults. **CONTRAINDICATIONS** - Hypersensitivity to the active substance or to any of the excipients. - Active clinically significant bleeding. - Lesion or condition, if considered to be a significant risk 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 haemorthage, known or suspected oesophageal varices, arteriovenous malformations, vascular aneurysms or major intraspinal or intracerebral vascular abnormalities. - Concomitant treatment with any other anticoagulants, e.g. unfractionated heparin (UFH), low molecular weight heparins (cnoxaparin, dalteparin, etc.), heparin derivatives (fondaparinux, etc.), oral anticoagulants (warfarin, dabigatran etexilate, apixaban, etc.) - Hepatic disease associated with coagulopathy and clinically relevant bleeding risk including cirrhotic patients with Child Pugh B and C. - Pregnancy and breast-feeding.

### PRECAUTIONS

Clinical surveillance in line with anticoagulation practice is recommended throughout the treatment period. Haemorrhagic risk

Haemorrhagic risk As with other anticoagulants, patients taking Rixalta\* are to be carefully observed for signs of bleeding. It is recommended to be used with caution in conditions with increased risk of haemorrhage. Rixalta\* administration should be discontinued if severe

signs of bleeding. It is recommended to be used win channer in consume measurements of harmorrhage. Risk and ministration should be discontinued if severe harmorrhage stratus\* administration should be discontinued if severe harmorrhage success. In the clinical studies mucosal bleedings (i.e. epistaxis, gingival, gastrointestinal, genito urinary including abnormal vaginal or increased menstrual bleeding) and anaemia were seen more frequently during long term irvaroxaban treatment compared with VKA treatment. Thus, in addition to adequate clinical surveillance, laboratory testing of harmoglobin/maematorit could be of value to detect occult bleeding and quantify the clinical relevance of overt bleeding, as judged to be appropriate. Several sub-rorups of patients, as detailed below, are at increased risk of bleeding. These patients are to be carefully monitored for signs and symptoms of bleeding complications and anaemia after initiation of treatment. In patients receiving Rixalat<sup>®</sup> for VTE prevention following elective hip or knee replacement surgery, this may be done by regular physical arcsing sumerments of harmoglobin. Any unexplained fall in haemoglobin or blood pressure should lead to a search for a bleeding in evels measured with a calibrated quantitative anti-factor Xa assay may be useful in exceptional situations where knowledge of rivaroxaban exposure may help to inform clinical decisions, e.g. overdose and emergency surgery. <u>Renal impairment</u>

Renal impairment In patients with severe renal impairment (creatinine clearance < 30 ml/min) rivaroxaban

in patients with severe renal impairment (creatinine clearance ~ 30 ml/min) hydroxbana plasma levels may be significantly increased (1.6 fold on average) which may lead to an increased bleeding risk. Rixalta<sup>e</sup> is to be used with caution in patients with creatinine clearance 15 - 29 ml/min. Use is not recommended in patients with creatinine <15 ml/min. In patients w

clearance 15 - 29 ml/min. Use is not recommended in patients with creatinne clearance < 15 ml/min. In patients with moderate renal impairment (creatinine clearance 30 - 49 ml/min) concomitantly receiving other medicinal products which increase rivaroxaban plasma concentrations Rixalta<sup>\*</sup> is to be used with caution. Other haemorphagic risk factors As with other antifhrombotics, rivaroxaban is not recommended in patients with an increased bleeding risk such as: - congenital or acquired bleeding disorders - uncontrolled severe arterial hypertension - other gastrointestinal disease without active ulceration that can potentially lead to bleeding complications (e.g. inflammatory bowel disease, oesophagitis, gastritis and gastroesophageal reflux disease) - vascular reinopathy - bronchicetasis or history of pulmonary bleeding Patients with prosthetic valves

- bronchicetasis or history of pulmonary bleeding Patients with prosthetic valves Rivaroxaban should not be used for thromboprophylaxis in patients having recently undergone transcatheter a ordic valve replacement (TAVR). Safety and efficacy of Rixalta<sup>®</sup> have not been studied in patients with prosthetic heart valves; therefore, here are no data to support that Rixalta<sup>®</sup> provides adequate anticoagulation in this patient population. Treatment with Rixalta<sup>®</sup> is not recommended for these patients.

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 Patients with antiphospholipid syndrome.
 Direct acting Oral Anticoagulants (DOACs) including rivaroxaban are not recommended for patients with a history of thrombosis who are diagnosed with antiphospholipid syndrome. In particular for patients that are triple positive (for lupus anticoagulant, naticardiolipin antibodies, and anti-beta 2-glycoprotent I antibodies), treatment with DOACs could be associated with increased rates of recurrent thrombotic events compared with vitamin K antagonist therapy.
 High Texture surgery
 Natarowani and the state or patients of recurrent thrombotic events of patients with vitamin K antagonist therapy.
 High Texture surgery to evaluate efficacy and safety.
 Haenodynamically. unstable PE: patients or patients who require thrombolysis or pulmoary embolectomy.
 Nixalta\* is not recommended as an alternative to unfractionated heparin in patients with propary emboles of patients.
 Pinal/Pinal anaesthesia or patients.
 Pinal/Pinal anaesthesia or patients.
 Pinal/Pinal anaesthesia or pulcurel anaesthesia) or spinal/epidural puncture is spinal/epidural anaesthesia or prinal with post-operative use of indwelling epidural catheters or the concomination to theromboorhobic operative sevents may be increased by the post-operative use of indwelling epidural catheters or the concomitant use of medicinal products affecting haemostasis. The risk and tase vends may be increased by the post-operative use of indwelling epidural catheters or the concomitant use of rivaroxaban for the properties of the legs, bowel or plateation of reurological intervention the physician should consider the patients to the concomitant use of rivaroxaban.
 Pinal/epidural catheters or the concomitant use of rivaroxaban text is not excessive.
 Pinal/epidural instruction or prevased by the products affecting haemostasis. The risk and has events may be uncreased b

If traumatic puncture occurs the administration of rivaroxaban is to be delayed for 24 hours. Dosing recommendations before and after invasive procedures and surgical intervention other than elective hip or knee replacement surgery. If an invasive procedure or surgical intervention, is required, Rixalta\*10 should be stopped at least 24 hours before the intervention, if possible and based on the clinical judgement of the physician. If the procedure cannot be delayed the increased risk of bleeding should be assessed against the urgency of the intervention, and adequate haemostasis has been established as determined by the treating physician. Elderly population provided the clinical situation allows and adequate haemostasis has been established as determined by the treating physician. Elderly population Increases haemorrhagic risk. Dermatological reactions Serious enditions and the section series of the source of the endition series of the source of the reations and the section series of the course of threatment. Rivaroxaban should be distort the majority of assess within the first weeks of treatment. Rivaroxaban should be before the source of the reatment, source all of the processitivity in conjunction with mucosal lesions. Information of a severe skin rash (e.g. spreading, intense and/or blistering), or any other sign of hypersensitivity in conjunction with mucosal lesions.

offler sign of hypersensitivity in conjunction with indecode reasons. Information about excipients Rixalta<sup>®</sup> contains lactose, Patients with rare hereditary problems of galactose intolerance, total lactase deficiency or glucose-galactose malabsorption should not take

intoirentace, total ractase dericency or guesse-guarctose manasorption should not take this medicinal product. Effects on ability to drive and use machines Rixalla<sup>th</sup> has mimor influence on the ability to drive and use machines. Adverse reactions like syncope (frequency: uncommon) and dizziness (frequency: common) have been reported. Patientis experiencing these adverse reactions should not drive or use machines

### FERTILITY, PREGNANCY AND LACTATION

FERTILITY, PREGNANCY AND LACLATION Pregnancy Safety and efficacy of Rixalta<sup>®</sup> have not been established in pregnant women. Studies in animals have shown reproductive toxicity. Due to the potential reproductive toxicity, the intrinsic risk of bleeding and the evidence that rivaroxaban passes the placenta, Rixalta<sup>®</sup> is contraindicated during pregnancy. Women of child-bearing potential should avoid becoming pregnant during treatment with rivaroxaban. <u>Breast-feeding</u> O Rixalta<sup>®</sup> have not been established in breast-feeding women. Data from animals indicate that rivaroxaban is secreted into milk. Therefore Rixalta<sup>®</sup> is contraindicated during breast-feeding. A decision must be made whether to discontinue breast-feeding to to discontinue/abstain from therapy.

Fertility No specific studies with rivaroxaban in humans have been conducted to evaluate effects on fertility. In a study on male and female fertility in rats no effects were seen.

# DRUG INTERACTIONS

on refutily. In a study of male and remaile tertuity in rats no effects were seen. **DRUG INTERACTIONS** <u>CVP3A4 and P-gp inhibitors</u> Co-administration of rivaroxaban with ketoconazole (400 mg once a day) or ritonavir (600 mg tvice a day) led to a 2.6 fold / 2.5 fold increase in mean rivaroxaban AUC and a 1.7 fold / 1.6 fold increase in mean rivaroxaban Cmax, with significant increases in pharmacodynamic effects which may lead to an increase bleeding risk. Therefore, the use of Rixalta<sup>8</sup> is not recommended in patients receiving concomitant systemic treatment with azole-antimycotics such as ketoconazole, itraconazole, voriconazole and posaconazole or HIV protease inhibitors. These active substances are strong inhibitors of both CYP3A4 and P-gp. Active substances strongly inhibiting only one of the rivaroxaban elimination pathways, either CYP3A4 and P-gp. Active substances strongly inhibiting only one of the rivaroxaban elimination pathways, either CYP3A4 and P-gp. Active substances strongly inhibiting only one of the rivaroxaban elimination for mean rivaroxaban AUC and a 1.4 fold increase in aroaxaban plasma concentrations to a lesser extent. Clarithromycin (500 mg twice a day), for instance, considered as a strong is likely not clinically relevant in most patients but can be potentially significant in high-risk patients. (For patients with renal impairment). Erythromycin (500 mg three times a day), which inhibits CYP3A4 and P-gp moderately, led to a 1.3 fold increase in mean rivaroxaban AUC and Cmax. The interaction with na subjects with molar neal function. In subjects with moderate renal impairment, erythromycin led to a 2.0 fold increase in mean rivaroxaban AUC and 1.6 fold increase in Cmax when 1.4 fold increase in mean rivaroxaban AUC and 1.6 fold increase in Cmax when interaction with fluconazole is likely not clinically relevant in most patients but can be potentially significant in high-risk patients. (For patienter CYP3A4 inhibitor, led to a 1.4 fold increase in mean rivaroxab

Traincagulant should be avoided. Afticcagulants After combined administration of enoxaparin (40 mg single dose) with rivaroxaban (10 mg single dose) an additive effect on anti-factor Xa activity was observed without any additional effects on clotting tests (PT, aPTT). Enoxaparin did not affect the pharmacokinetics of rivaroxaban. Due to the increased bleeding risk care is to be taken if patients are treated concomitantly

Due to the increased bleeding risk care is to be taken if patients are treated concomitantly with any other anicoagulants. <u>NSAIDs/platelet ageregation inhibitors</u> No clinically relevant prolongation of bleeding time was observed after concomitant administration of rivaroxaban (15 mg) and 500 mg naproxen. Nevertheless, there may be individuals with a more pronounced pharmacodynamic response. No clinically significant pharmacokinetic or pharmacodynamic interactions were observed when rivaroxaban was co-administered with 500 mg acetylsalicylic acid. Clopidogref (300 mg loading does followed by 75 mg maintenance does) did not show a pharmacokinetic interaction with rivaroxaban (15 mg) but a relevant increase in bleeding time was observed in a subset of patients which was not correlated to platelet aggregation, P-selectin or GPIIb/III areceptor levels. Care is to be taken if patients are treated concomitantly with NSAIDs (including acetylsalicylic acid) and platelet aggregation inhibitors because these medicinal products typically interase the bleeding risk. <u>SINESVNIIS</u> of bleeding in case of concomitant use with SSRIs or SNRIs due to their reported effect

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on platelets. When concomitantly used in the rivaroxaban clinical programme, numerically higher rates of major or non-major clinically relevant bleeding were numerically higher rates of m observed in all treatment groups Warfarin

Warfarin Converting patients from the vitamin K antagonist warfarin (INR 2.0 to 3.0) to rivaroxaban (20 mg) or from rivaroxaban (20 mg) to warfarin (INR 2.0 to 3.0) increased prothrombin time/INR (Neoplastin) more than additively (individual INR values up to 12 may be observed), whereas effects on aPTT, inhibition of factor Xa activity and endogenous thrombin potential were additive. If it is desired to test the pharmacodynamic effects of rivaroxaban during the conversion period, anti-factor Xa activity, PiCT, and Heptest can be used as these tests were not affected by warfarin. On the fourth day after the last dose of warfarin, all tests (including PT, aPTT, inhibition of factor Xa activity and ETP) reflected only the effect of rivaroxaban.

P1, aP11, innibition of factor Xa activity and E1P) reflected only the effect of rivaroxaban. If it is desired to test the pharmacodynamic effects of warfarin during the conversion period, INR measurement can be used at the Ctrough of rivaroxaban (24 hours after the previous intake of rivaroxaban) as this test is minimally affected by rivaroxaban at this time point. No pharmacokinetic interaction was observed between warfarin and rivaroxaban.

time point. No pharmacokinetic interaction was observed between warfarin and rivaroxaban. <u>CYP3A4 inducers</u> Co-administration of rivaroxaban with the strong CYP3A4 inducer rifampicin led to an approximate 50% decrease in mean rivaroxaban AUC, with parallel decreases in its pharmacodynamic effects. The concomitant use of rivaroxaban plasma (YP3A4 inducers (e.g. phenytoin, carbamazepine, phenobarbital or St. John's Wort (Hypericum perforatum)) may also lead to reduced rivaroxaban plasma concentrations. Therefore, concomitant administration of strong CYP3A4 inducers should be avoided unless the patient is closely observed for signs and symptoms of thrombosis. Other concomitant therapics No clinically significant pharmacokinetic or pharmacodynamic interactions were observed when rivaroxaban was co-administered with midazolam (substrate of CYP3A4), digoxin (substrate of P\_gp), atorvastatin (substrate of CYP3A4, digoxin (substrate of P\_gp), softworakaban ether inhibits nor induces any major CYP isoforms like CYP3A4.

No clinically relevant interaction with food was observed.

Laboratory prevant inclusion with rood was observed. Laboratory parameters Clotting parameters (c.g. PT, APTT, HepTest) are affected as expected by the mode of action of rivaroxaban.

# ADVERSE EFFECTS

he frequencies of adverse reactions reported with Rixalta<sup>®</sup> are summarised below by

The frequencies of adverse reactions reported with Kixaita<sup>+</sup> are summarised below by frequency. Common (≥ 1/100 to < 1/10) • Anaemia (incl. respective laboratory parameters) • Dizziness, headache • Eye haemorrhage (incl. conjunctival haemorrhage) • Hypotension, haematoma • Epistaxis, haemoptysis • Gingival bleeding, gastrointestinal tract haemorrhage (incl. rectal haemorrhage), gastrointestinal and abdominal pains, dyspepsia, nausea, constipation, diarrhoea, vomitine gastrointestinal and abdo vomiting • Increase in transaminases

- Increase in transaminases
  Pruritus (incl. uncommon cases of generalised pruritus), rash, ecchymosis, cutaneous and subcutaneous haemorrhage
  Pain in extremity
  Urogenital trach haemorrhage (incl. haematuria and menorrhagia), renal impairment (incl. blood creatinine increased, blood urea increased)
  Fever, peripheral oedema, decreased general strength and energy (incl. fatigue and asthenia)
- Postprocedural haemorrhage (incl. postoperative anaemia, and wound haemorrhage), contusion, wound secretion Postprocedural haemorrhage (incl. postoperative anaemia, and wound contusion, wound secretion
   Uncommon (≥ 1/1,000 to < 1/100)</li>
   Thrombocytosis (incl. platelet count increased), Thrombocytopenia
   Allergic reaction, dermatitis allergic, Angioedema and allergic oedema
   Cerebral and intracranial haemorrhage, syncope
   Trachwandia

Tachvcardia Dry mouth

- Hepatic impairment, Increased bilirubin, increased blood alkaline phosphatase, increased GGT

Hepatic Impairment, Increased States, and the increased GGT
 Urticaria
 Haemarthrosis
 Feeling unwell (incl. malaise)
 Feeling unwell (incl. malaise)
 Increased LDH, increased lipase, increased amylase
 Rare (> 1/10,000 + 0.1/1,000)
 Jaundice, Bilirubin conjugated increased (with or without concomitant increase of
 ALT), Cholestasis, Hepatitis (incl. hepatocellular injury)
 Wuscl haemorrhage
 Localised oedema
 Vascular pseudoaneurysm
 Very rare (< 1/10,000)
 Anaphylactic reactions including anaphylactic shock
 Stevens-Johnson syndrome/ Toxic Epidermal Necrolysis , DRESS syndrome
 Not known (cannot be estimated from the available data)
 Compartment syndrome secondary to a bleeding
 Renal failure/acute renal failure secondary to a bleeding sufficient to cause hypoperfusion

DOSAGE AND ADMINISTRATION

 Possology
 Prevention of VTE in adult patients undergoing elective hip or knee replacement
 Prevention of VTE in adult patients undergoing elective hip or knee replacement The recommended dose is 10 mg rivaroxaban taken orally once daily. The initial dose should be taken 6 to 10 hours after surgery, provided that haemostasis has been

established. The duration of treatment depends on the individual risk of the patient for venous

For patients undergoing major hip surgery, a treatment duration of 5 weeks is

- For patients undergoing major knee surgery, a treatment duration of 5 weeks is recommended.

For patients undergoing major knee surgery, a treatment duration of 2 weeks is recommended.
 If a dose is missed the patient should take Rixalta\* immediately and then continue the following day with once daily intake as before.
 Treatment of DIT, treatment of PE and prevention of recurrent DIT and PE.
 The recommended dose for the initial treatment of acute DVT or PE is 15 mg twice daily for the first three weeks followed by 20 mg once daily for the continued treatment and prevention of treary (at least 3 months) should be considered in patients with DVT or PE provoked by major transient risk factors (i.e. recent major surgery or trauma). Longer duration of therapy should be considered in patients with provoked DVT or PE not related to major transient risk factors, unprovoked DVT or PE, or a history of recurrent DVT and PE is indicated (following completion of at least 6 months herapy for DVT or PE, the recommended dose is 10 mg once daily. In patients in whom the risk of recurrent DVT and PE is considered in platents by the as they with complicated comorbidites, or who have developed recurrent DVT or PE on extended prevention with Rixalta\* 10 mg once daily, a dose of Rixalta\* 20 mg once daily should be considered.
 The duration of therapy and dose selection should be individualised after careful assessment of the treatment benefit against the risk for beleding.
 Time previde the merid Dosine schedue Total daily dose

	Time period	Dosing schedule	Total daily dose
Treatment and prevention of recurrent DVT and PE	Day 1-21	15 mg twice daily	30 mg
	Day 22 onwards	20 mg once daily	20 mg
Prevention of recurrent DVT and PE	Following completion of at least 6 months therapy for DVT or PE	10 mg once daily or 20 mg once daily	10 mg or 20 mg

To support the dose switch from 15 mg to 20 mg after Day 21 a first 4 weeks treatment initiation pack of Rixalta\* for treatment of DVT/PE is available. If a dose is missed during the 15 mg twice daily treatment phase (day 1 - 21), the patient should take Rixalta\* immediately to ensure intake of 30 mg Rixalta\* per day. In this case two 15 mg tablets may be taken at once. The patient should continue with the regular 15 mg twice daily intake as recommended on the following day. If a dose is missed during the once daily treatment phase, the patient should take Rixalta\* immediately, and continue on the following day with the once daily intake as recommended. The dose should not be doubled within the same day to make up for a missed dose. *Converting from Vitamin K Antagonists (VKA) to Rixalta*\*

For patients treated for DVT, PE and prevention of recurrence, VKA treatment should be stopped and Risalta<sup>\*</sup> therapy should be initiated once the INR is  $\leq 2.5$ . When converting patients from VKAs to Risalta<sup>\*</sup>, International Normalised Ratio (INR) values will be falsely elevated after the intake of Risalta<sup>\*</sup>. The INR is not valid to measure the anticoagulant activity of Risalta<sup>\*</sup>, and therefore should not be used. *Converting from Risalta<sup>\*</sup>* to *Vitamin K antagonists (VKA)* There is a potential for inadequate anticoagulation during the transition from Risalta<sup>\*</sup> to VKA. Continuous adequate anticoagulation should be ensured during any transition to an alternate anticoagulant. It should be noted that Risalta<sup>\*</sup> can contribute to an elevated INR.

an alternate anticoaguiant. It should be noted that Kixalta" can contribute to an elevated INR. In patients converting from Rixalta<sup>®</sup> to VKA, VKA should be given concurrently until the INR is 2:0. For the first two days of the conversion period, standard initial dosing of VKA should be used followed by VKA dosing, as guided by INR testing. While patients are on both Rixalta<sup>®</sup> and VKA the INR should not be tested earlier than 24 hours after the previous dose but prior to the next dose of Rixalta<sup>®</sup>. Once Rixalta<sup>®</sup> is discontinued INR testing may be done reliably at least 24 hours after the last dose. *Converting from parenteral anticoagulants to Rixalta<sup>®</sup>*. Once Rixalta<sup>®</sup> is discontinued INR testing may be done reliably at least 24 hours after the last dose. *Converting from parenteral anticoagulants to Rixalta<sup>®</sup>*. For patients currently receiving a parenteral anticoagulant, discontinue the parenteral anticoagulant and start Rixalta<sup>®</sup> to 2 hours before the time that the next scheduled administration of the parenteral medicinal product (e.g. low molecular weight heparins) would be due or at the time of discontinuation of a continuously administered parenteral medicinal product (e.g. intravenous unfractionated heparin). *Converting from Rixalta<sup>®</sup> to parenteral anticoagulant* Give the first dose of parenteral anticoagulant at the time the next Rixalta<sup>®</sup> dose would be taken.

## Special populations

Special populations Renal impairment Limited clinical data for patients with severe renal impairment (creatinine clearance 15 -29 ml/min) indicate that rivaroxaban plasma concentrations are significantly increased. Therefore, Rixalta\* is to be used with caution in these patients. Use is not recommended in patients with creatinine clearance <15 ml/min. - For the prevention of VTE in adult patients undergoing elective hip or knee replacement surgery, no dose adjustment is necessary in patients with mild renal impairment (creatinine clearance 50 - 80 ml/min) or moderate renal impairment (creatinine clearance 30 - 49 ml/min). - For the treatment of DVT, treatment of PE and prevention of recurrent DVT and PE, no - dose adjustment from the recommended dose is necessary in patients with mild renal

For the treatment of DVT, treatment of PE and prevention of recurrent DVT and PE, no dose adjustment from the recommended dose is necessary in patients with mild renal impairment (creatinine clearance 50 - 80 ml/min). In patients with moderate (creatinine clearance) and the patients with moderate (creatinine clearance) and the patients with moderate (creatinine clearance) and the dose is necessary in patients with moderate (creatinine clearance) and the dose is necessary in patients with moderate and the dose is necessary in patients with moderate (creatinine clearance) and the dose is 20 mg once daily to 15 mg toxice daily for the first 3 weeks. Thereaffer, when the recommendation for the use of 15 mg is based on PK modelling and has not been studied in this clinical setting. When the recommended dose is necessary. Hepatic impairment

recommended dose is necessary. <u>Hepatic impairment</u> Rixalta<sup>#</sup> is contraindicated in patients with hepatic disease associated with coagulopath and clinically relevant bleeding risk including cirrhotic patients with Child Pugh B ar Colinically relevant bleeding risk including cirrhotic patients with Child Pugh B ar

Elderly population No dose adjustment.

Body weight No dose adjustment.

Gender No dose adjustment.

No dose adjustment. <u>Paediatric population</u> The safety and efficacy of Rixalta<sup>®</sup> in children aged 0 to 18 years have not been established. No data are available. Therefore, Rixalta<sup>®</sup> is not recommended for use in children below 18 years of age. <u>Method of administration</u> Rixalta<sup>®</sup> is for oral use. The tablets can be taken with or without food. For patients who are unable to swallow whole tablets, Rixalta<sup>®</sup> tablet may be crushed and mixed with water or apple purce immediately prior to use and administered orally. The crushed Rixalta<sup>®</sup> tablet may also be given through gastric tubes after confirmation of the correct gastric placement of the tube. The crushed tablet should be administered in a small amount of water via a gastric tube after which it should be flushed with water.

a small amount of water via a gastric tuoc and mean interview in a small amount of water via a gastric tuoc and mean interview interview in the state of overdose up to 600 mg have been reported without bleeding complications or other adverse reactions. Due to limited absorption a ceiling effect with no further increase in average plasma exposure is expected at supratherapeutic doses of 50 mg rivaroxaban or above. A specific reversal agent (andexanet alfa) antagonising the pharmacodynamic effect of rivaroxaban is available. The use of activated charcoal to reduce absorption in case of rivaroxaban overdose may be considered. Management of bleeding complication arise in a patient receiving rivaroxaban, the next rivaroxaban administration should be delayed or treatment should be discontinued as appropriate. Rivaroxaban has a half-life of approximately 5 to 13 hours. Management should be individualised according to the severity and location of the haemorrhage. Appropriate symptomatic treatment condynamic support, blood products (packed red cells or fresh frozen plasma, depending on associated anaemia or coagulopathy) or platelets.

proceedings, fluid replacement and memorynamic support, were pressed space-cells or fresh frozen plasma, depending on associated anaemia or coagulopathy) or platelets. If bleeding cannot be controlled by the above measures, either the administration of a specific factor Xa inhibitor reversal agent (andexanet alfa), which antagonises the pharmacodynamic effect of rivaroxaban, or a specific procoagulant reversal agent, such as prothrombin complex concentrate (PCC), activated prothrombin complex concentrate (APCC) or recombinant factor VIIa (r-FVIIa) should be considered. However, there is currently very limited clinical experience with the use of these medicinal products in individuals receiving rivaroxaban. The recommendation is also based on limited non-clinical data. Re-dosing of recombinant factor VIIa shall be considered and titrated depending on improvement of bleeding. Depending on local availability, a consultation with a coagulation expert should be considered to affect the anticoagulant activity of rivaroxaban. There is limited experience with transcamic acid and no experience with aminocaproic acid and aprotinin in individuals receiving rivaroxaban. There is ineither scientific rationale for benefit nor experience with tues of the systemic haemostatic desmopressin in individuals receiving rivaroxaban. Due to the high plasma protein binding rivaroxaban is not expected to be dialysable.

# STORAGE CONDITIONS Store below 30°C

Store below 30°C. Keep in original pack in intact conditions.

Date of Revision: February 2024.

### This is a medicament

- I has is a medicament A medicament is a product which affects your health, and its consumption contrary to instructions is dangerous for you Follow strictly the doctor's prescription, the method of use, and the instructions of the pharmacist who sold the medicament The doctor and the pharmacist are experts in medicine, its benefits and risks

- Do not by yourself interrupt the period of treatment prescribed for you
- Do not repeat the same prescription without consulting your doctor Medicament: keep out of reach of children Council of Arab Health M
  - Council of Arab Health Minis
    - Union of Arab Pharmac