Online supplementary material: Recommendations for investigational product dose interruptions/modifications

| AE Terms & Descriptions | Dose Modification Algorithms | |
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| Hypertension | | |
| (A). Asymptomatic and persistent SBP of ≥140 and <170 mmHg, or DBP ≥90 and <110 mmHg, or a clinically significant increase in DBP of 20 mmHg (but still below 110 mmHg). | Step 1. Continue pazopanib at the current dose. | |
| | Step 2. Adjust current or initiate new antihypertensive medication(s). | |
| | Step 3. Titrate antihypertensive medication(s) during next 2 weeks as indicated to achieve well-controlled blood pressure (BP). If BP is not well-controlled within 2 weeks, consider referral to a specialist and go to scenario (B). | |
| (B). Asymptomatic SBP ≥170 mmHg, or | Step 1.Consider reducing or interrupting pazopanib, as clinically indicated. | |
| DBP ≥110 mmHg, or failure to achieve well-controlled BP within 2 weeks in | Step 2. Adjust current or initiate new antihypertensive medication(s). | |
| scenario (A). | Step 3. Titrate antihypertensive medication(s) during next 2 weeks as indicated to achieve well-controlled BP. | |
| | Step 4. Once BP is well-controlled, restart pazopanib dose-reduced by 200 mg if pazopanib was interrupted. | |
| (C). Symptomatic hypertension or | Step 1. Interrupt pazopanib. | |
| recurring SBP ≥170 mmHg, or DBP ≥110 mmHg, despite modification of antihypertensive medication(s) | Step 2. Adjust current or initiate new antihypertensive medication(s). | |
| | Step 3. Titrate antihypertensive medication(s) during next 2 weeks as indicated to achieve well-controlled BP. Referral to a specialist for further evaluation and follow-up is also recommended. | |
| | Step 4. Once BP is well-controlled, restart pazopanib dose-reduced by 200 mg. | |
| (D). Refractory hypertension unresponsive to above interventions. | Discontinue pazopanib and continue follow-up per protocol. | |
| | prolonged, the ECG should be manually read to ensure accuracy of the reading. Gs (see section Error! Reference source not found.). | |
| QTc ≥ 480 < 500 msec | Continue pazopanib; monitor as clinically indicated. | |
| QTc ≥500 msec | Discontinue pazopanib and continue follow-up per protocol. | |
| Proteinuria | | |
| UPC <3 | Continue pazopanib at the current dose; monitor as clinically indicated. | |
| UPC ≥3 or 24-h urine protein ≥3g | Step 1. Interrupt pazopanib. Step 2. Weekly UPC or 24-hr urine protein monitoring until UPC is <3 or 24-hr urine protein is <3 grams. Then restart pazopanib dose-reduced by 200 mg. Step 3. If UPC ≥3 or 24-h urine protein ≥3g recurs, repeat steps 1 and 2. Step 4. If UPC ≥3 or 24-hr urine protein ≥3 recurs and the pazopanib dose can no longer be reduced, discontinue pazopanib and continue follow-up per protocol. | |

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| Grade 1 | For hemoptysis, interrupt pazopanib and contact the GSK Study Physician to discuss whether further treatment with pazopanib is appropriate. |
| | For other Grade I hemorrhage/bleeding events, continue pazopanib at the current dose; monitor as clinically indicated. |
| Grade 2 | Step 1. If pulmonary or GI bleed (other than hemorrhoidal bleeding), discontinue pazopanib and continue follow-up per protocol. Otherwise, interrupt pazopanib until the AE resolved to ≤ Grade 1. |
| | Step 2. Restart pazopanib; consider reducing dose and monitor as clinically indicated. |
| Grade 3 or 4, or | Discontinue pazopanib and continue with follow-up per protocol. |
| $\label{eq:Recurrent} \textbf{Recurrent} \geq \textbf{Grade 2 event after dose} \\ interruption/reduction.$ | |
| Venous Thrombosis (DVT, PE) | |
| Grade 2 | Continue pazopanib at the current dose; monitor as clinically indicated |
| Grade 3 | Step 1. Interrupt pazopanib. |
| | Step 2. Initiate and monitor anticoagulation as clinically indicated. |
| | Step 3. Resume pazopanib at same dose only if all of the following criteria are met: |
| | The subject must have been treated with anticoagulant at the desired level of anticoagulation for at least one week. |
| | No Grade 3 or 4 or clinically significant Grade 2, hemorrhagic events have occurred while on anticoagulation treatment. |
| | Subject should be monitored as clinically indicated during anticoagulation treatment and after resuming study treatment. When treating with warfarin, international normalized ratio (INR) should be monitored within three to five days after any change in pazopanib dosing (eg, re-initiating, escalating/deescalating, or discontinuing pazopanib), and then at least weekly until the INR is stable. The dose of warfarin (or its derivatives) may need to be adjusted to maintain the desired level of anticoagulation |
| Grade 4 and/or PE | Discontinue pazopanib and continue follow-up per protocol. |
| Arterial Thrombosis/Ischemia | |
| Any Grade | Discontinue pazopanib and continue follow-up per protocol. |
| Thrombocytopenia: Investigate and doo | cument underlying cause |
| Grade 1 or 2 | Continue pazopanib with current dose; monitor as clinically indicated. |
| Grade 3 or 4 | Step 1. Interrupt pazopanib until toxicity resolves to ≤ Grade 2. |
| | Step 2. Restart pazopanib dose-reduced by 200 mg and monitor as clinically indicated. |
| | If no recovery to ≤ Grade 2 or recurrent Grade 3 or 4 thrombocytopenia, discontinue pazopanib and follow-up per protocol. |
| Anemia: No specific dose reduction rules | are indicated for anemia unless due to hemorrhage or bleeding as noted above. |

| AE Terms & Descriptions | Dose Modification Algorithms | | |
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| Palmar-plantar Erythrodysesthesia Syndrome | | | |
| Grade 1 Minimal skin changes or dermatitis without pain (erythema, oedema, hyperkeratosis) | Continue pazopanib at present dose | | |
| Grade 2 Skin changes with pain; limiting instrumental activities of daily living (ADLs) (peeling, blisters, oedema, bleed, hyperkeratosis) | Hold pazopanib Treat as clinically appropriate Upon resolution to Level 1 or better restart pazopanib with a dose reduction to 400 mg If recurrent consider a further dose reduction to 200mg or discontinuation | | |
| Grade 3 Severe skin changes with pain and limiting self care ADLs | Discontinue pazopanib | | |
| Other Clinically Significant Adverse Events ^b | | | |
| Grade 1 | Continue pazopanib; monitor as clinically indicated. | | |
| Grade 2 or 3, if clinically significant | Step 1. Interrupt pazopanib until toxicity resolves to ≤ Grade 1. Step 2. Restart pazopanib dose-reduced by 200 mg and monitor as clinically indicated. | | |
| Grade 4 | Discontinue pazopanib and continue follow-up per protocol. | | |

<sup>a. Well-controlled BP defined as SBP <140 mmHg and mean DBP <90 mmHg.
b. AEs are graded according to NCI Common Terminology Criteria for Adverse Events v4.0 (NCI CTCAE v4) Abbreviations: BP, blood pressure..</sup>

| Event | Dose Modification Algorithms |
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| (A). ALT of $\leq 3.0 \text{ x ULN}$ | Continue pazopanib at current dose with full panel LFTsC monitored as per protocol. |
| (B). ALT >3.0 x ULN to ≤8.0 x ULN without bilirubin elevation (defined as total bilirubind <2.0 x ULN or direct bilirubin ≤35%) and without hypersensitivity symptoms (e.g., fever, rash) | Liver Event Monitoring Criteria: (1) Continue pazopanib at current dose levels. (2) Monitor subject closely for clinical signs and symptoms; perform full panel LFTsa weekly or more frequently if clinically indicated until ALT/AST is reduced to Grade 1. |
| (C). ALT >8.0 x ULN | 1st occurrence – Liver Event Interruption Criteriae: |
| without bilirubin elevation (defined as total bilirubin ^b <2.0 x ULN or direct bilirubin ≤35%) and without hypersensitivity symptoms (e.g., fever, rash) | (1) Interrupt pazopanib until toxicity resolves to ≤Grade 1 or baseline. Report the event to GSK as an SAE within 24 hours of learning of its occurrence and complete the eCRF liver event forms. Make every reasonable attempt to have subjects return to the clinic within 24 to 72 hours for repeat liver chemistries and liver event follow up assessments. (2) Liver imaging and other laboratory investigations should be considered as clinically appropriate. (3) Monitor subject closely for clinical signs and symptoms; perform full panel LFTs a weekly or more frequently if clinically indicated until ALT/AST is reduced to Grade 1. (4) If the subject is benefiting from the study treatment, contact GSK Study Physician for possible re-challenge. Re-treatment may be considered if ALL following criteria are met: ALT/AST reduced to Grade 1 Total bilirubin <1.5 x ULN or direct bilirubin ≤35% No hypersensitivity signs or symptoms Subject is benefiting from therapy. If approval for re-treatment is granted, the subject must be re-consented (with a separate informed consent specific to hepatotoxicity). |
| | Recurrence – Liver Event Stopping Criteriae: Discontinue pazopanib permanently and monitor subject closely for clinical signs and symptoms; perform full panel LFTs a weekly or more frequently if clinically indicated until ALT/AST is reduced to Grade 1. At the time of the recurrence, complete the eCRF liver event forms. |
| (D). ALT >3.0 x ULN with concomitant elevation in bilirubind (defined as total bilirubin ≥2.0 x ULN; with direct bilirubin >35%) or with hypersensitivity symptoms (e.g., fever, rash). | Liver Event Stopping Criteriae: (1) Discontinue pazopanib immediately, report the event to GSK as an SAE within 24 hours of learning of its occurrence, and complete the eCRF liver event forms. Make every reasonable attempt to have subjects return to the clinic within 24 hours for repeat liver chemistries and liver event follow up assessments. (2) Consult a gastroenterologist / hepatologist and perform the following assessments to identify potential co-factors: - Eosinophil count - Viral serology for hepatitis A, B, C and E, cytomegalovirus, Epstein-Barr virus (IgM antibody, heterophile antibody, or monospot testing) - Anti-nuclear antibody, anti-smooth muscle antibody, Type 1 anti-liver kidney microsomal antibodies Serum creatinine phosphokinase for possible muscle injury caused LFT elevation - Liver imaging - Consider toxicological blood screen for possible contributing chemical/medical entities (3) Monitor subject closely for clinical signs and symptoms; record the appearance or worsening of clinical symptoms of hepatitis, or hypersensitivity, such as fatigue, nausea, vomiting, right upper quadrant pain or tenderness, fever rash or eosinophilia as relevant on the AE report form. Perform full panel LFTs a weekly or more frequently if clinically indicated until LFTs are reduced to Grade 1. |

| Event | Dose Modification Algorithms |
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| For isolated total bilirubind elevation without concurrent ALT increases (defined as ALT <3 X ULN). | Isolated hyperbilirubinemia (i.e., in the absence of elevated ALT or other signs/symptoms of liver injury) does not require dose modification. Pazopanib inhibits UGT1A1 and OATP1B1, which can cause elevation of indirect (unconjugated) bilirubin in the absence of liver injury If bilirubin is >1.5 x ULN in the absence of ALT elevation, fractionation of bilirubin elevation should be performed. If bilirubin is >35% direct (conjugated), further evaluation for underlying cause of cholestasis should be performed. |

- c. Full panel LFTs include: AST, ALT, alkaline phosphatase, GGT, and total bilirubin. Coagulation tests should be performed as clinically indicated.
- d. Serum bilirubin fractionation should be performed if testing is available. If testing is unavailable and a subject meets the criterion of total bilirubin >1.5 x ULN, then the event should be promptly reported as an SAE.
- e. When a liver chemistry event meets the Liver Event Interruption Criteria, or Liver Event Stopping Criteria, blood samples should be obtained for PK and for clinical laboratory testing by the central laboratory (Liver Event Kits will be provided for this purpose).

Abbreviations: ALT alanine aminotransferase; AST aspartate aminotransferase; eCRF electronic case report form; IP investigational product; LFT liver function tests; SAE serious adverse event; ULN upper limit of normal