

## Dose Modifications & Management for adverse reactions to regorafenib

**Table 1: Recommended dose modifications and measures for hand-foot skin reaction (HFSR)**

Skin toxicity grade	Occurrence	Recommended dose modification and measures
Grade 1	Any	Maintain dose level and immediately institute supportive measures for symptomatic relief.
Grade 2	1st occurrence	Decrease dose by 40 mg (one tablet) and immediately institute supportive measures.  If no improvement occurs despite dose reduction, interrupt therapy for a minimum of 7 days, until toxicity resolves to Grade 0-1.  A dose re-escalation is permitted at the discretion of the physician.
	No improvement within 7 days or 2nd occurrence	Interrupt therapy until toxicity resolves to Grade 0-1.  When re-starting treatment, decrease dose by 40 mg (one tablet).  A dose re-escalation is permitted at the discretion of the physician.
	3rd occurrence	Interrupt therapy until toxicity resolves to Grade 0-1.  When re-starting treatment, decrease dose by 40 mg (one tablet).  A dose re-escalation is permitted at the discretion of the physician.
	4th occurrence	Discontinue treatment with regorafenib permanently.
Grade 3	1st occurrence	Institute supportive measures immediately. Interrupt therapy for a minimum of 7 days until toxicity resolves to Grade 0-1.  When re-starting treatment, decrease dose by 40 mg (one tablet).  A dose re-escalation is permitted at the discretion of the physician.
	2nd occurrence	Institute supportive measures immediately. Interrupt therapy for a minimum of 7 days until toxicity resolves to Grade 0-1.  When re-starting treatment, decrease dose by 40 mg (one tablet).

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3rd occurrence

Discontinue treatment with regorafenib permanently

**Table 2: Recommended measures and dose modifications in case of drug-related LFT abnormalities**

Observed elevations of ALT and/or AST	Occurrence	Recommended measures and dose modification
≤5 times upper limit of normal (ULN) (maximum Grade 2)	Any occurrence	Continue regorafenib treatment.  Monitor liver function weekly until transaminases return to <3 times ULN (Grade 1) or baseline.
>5 times ULN ≤20 times ULN (Grade 3)	1st occurrence	Interrupt regorafenib treatment.  Monitor transaminases weekly until return to <3 times ULN or baseline.  Restart: If the potential benefit outweighs the risk of hepatotoxicity, re-start regorafenib treatment, reduce dose by 40 mg (one tablet), and monitor liver function weekly for at least 4 weeks.
	Re-occurrence	Discontinue treatment with regorafenib permanently.
>20 times ULN (Grade 4)	Any occurrence	Discontinue treatment with regorafenib permanently.
>3 times ULN (Grade 2 or higher) with concurrent bilirubin >2 times ULN	Any occurrence	Discontinue treatment with regorafenib permanently.  Monitor liver function weekly until resolution or return to baseline.  <u>Exception:</u> patients with Gilbert's syndrome who develop elevated transaminases should be managed as per the above outlined recommendations for the respective

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		observed elevation of ALT and/or AST.
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