



醫院管理局
HOSPITAL
AUTHORITY

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To: All COSs & Medical staff, NTEC

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Alert: Potential Eltrombopag Interference with serum/plasma creatinine and bilirubin

Eltrombopag: Eltrombopag is a thrombopoietin receptor agonist used for treatment of thrombocytopenic conditions such as immune thrombocytopenic purpura. Eltrombopag exposure at therapeutic doses can cause discoloration of serum/plasma.

Potential eltrombopag interference in laboratory testing: There have been multiple reports of eltrombopag interference in laboratory testing, including interference to **serum/plasma bilirubin and creatinine** assays. The mechanism for the eltrombopag interference appears to be related to the discoloration of serum/plasma by eltrombopag, and the extent is dependent on pH, drug concentration, and testing method. If laboratory results are inconsistent with clinical observations for patients taking eltrombopag, please consider contacting our Duty Biochemist for re-testing using another method to determine the validity of the result.

Please refer to the below link from the Department of Health for further details.
[https://www.drugoffice.gov.hk/eps/upload/eps_news/32222/EN/1/Eltrombopag%20\(Revolade\)%20reports%20of%20interference%20with%20bilirubin%20and%20creatinine%20test%20results.pdf](https://www.drugoffice.gov.hk/eps/upload/eps_news/32222/EN/1/Eltrombopag%20(Revolade)%20reports%20of%20interference%20with%20bilirubin%20and%20creatinine%20test%20results.pdf)

Should there be any concerns or enquiries, please contact our Duty Biochemist at 3505 2685 or page via the PWH operator at 3505 2211.

Sincerely yours,

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