



醫院管理局
HOSPITAL
AUTHORITY

From: Prof Allen KC CHAN
Honorary Chief of Service
Dept of Chemical Pathology
PWH

To: All COSs, DOMs & Medical staff,
PWH/SH/BBH/SCH

Cc: Dr Beatrice CHENG, HCE(PWH)/CCE(NTEC)
Dr NC SIN, HCE(BBH/SCH/SH)
Dr Michael CHAN, CCPATH (NTEC)
All Duty Biochemists, PWH(CP)
Ms Karen LAW, DM, PWH(CP)

Tel / Fax No: 3505 3589 / 2636 5090

Date: 14 May 2021

Enhanced Plasma Beta-Hydroxybutyrate Testing Service

Implementation Date: 27 May 2021

With an aim to improve laboratory efficiency and service provision, a new plasma beta-hydroxybutyrate (BOHB) assay will be introduced in PWH for the diagnosis and monitoring of ketoacidotic conditions. The new assay involves the adoption of enzymatic methodology which reduces non-BOHB chromogenic interference and overcomes the limitations of existing whole blood BOHB assay.

The plasma BOHB test can be requested via Generic Clinical Request System (GCRS). Blood sample collected in one tube of 5 mL green-topped heparin gel tube (for adult patients) or one vial of 1.3 mL orange-cap paediatric heparin tube (for paediatric patients) is required for the captioned test requests. The blood sample should be kept in ICE-water bath and sent to Rapid Response Laboratory, 3/F Main Clinical Block immediately. The reference interval of fasting plasma BOHB (≤ 0.30 mmol/L) will be provided in the laboratory report. Details can be found in the Test Menu posted at the PWH Chemical Pathology i-Hospital homepage (iCHEMPATH@PWH).

If there is enquiry, please contact our Duty Biochemist at 3505 2685, or page through PWH Operator at 3505 2211.

Thank you for your kind attention.

Sincerely yours,

Prof Allen KC CHAN

Prince of Wales Hospital
Hospital Authority
30-32 Ngan Shing Street,
Shatin, N.T.
Tel: (852) 3505 2211
Fax: (852) 2637 8244

威爾斯親王醫院
醫院管理局
新界沙田銀城街30-32號
電話: (852) 3505 2211
傳真: (852) 2637 8244

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