

Case Study Wrexham Maelor NHS Hospital

Point Of Care Testing in clinic setting

In response to government initiatives and targets to decrease waiting times whilst increasing the provision of patient centred care, services for improved patient driven point of care testing will undoubtedly continue to expand. This has also led to greater demand and interest for the ABX Pentra 60C+ where 5-part diff is required - eg Oncology clinics and A&E - as laboratory quality results are provided in a POCT setting, and importantly within 60 seconds.

This Case Study discusses how the ABX Pentra 60C+ has enhanced the quality of patient care and well-being as part of an integrated point of care service.

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Chris Wight
Head of Haematology
Wrexham Maelor NHS Hospital



Phlebotomist Debbie Brockley using the ABX Pentra 60C+ for point-of-care haematology at Wrexham Maelor Hospital

To put haematology results rapidly into clinicians' hands and ensure patients receive the best possible care, a point-of-care haematology analyser has been installed at Wrexham Maelor NHS Hospital's brand new Haematology/Oncology unit. Chris Wight, Head of Haematology at Wrexham explains why the installation of the ABX Pentra 60C+ is making a difference at the new Shooting Star Unit. Already vital validated haematology results for patients with malignant disease are available within just 10 minutes of a sample being taken within the unit.

Proving ideal for POC analysis

Due to its user-friendliness and compactness, it is enabling nurses and phlebotomists to quickly and easily analyse samples of whole blood taken on site. Furthermore, it is proving particularly useful for monitoring patients receiving chemotherapy for malignant diseases within the Unit. This is due to the fact that it is the only compact

point-of-care haematology system to offer 26 parameters with 5-Part Differential for white blood cells.

Although the new analyser is installed at a different site to Wrexham's main pathology laboratory, the laboratory is still able to maintain close control of the system and results. Upon generation, all results are sent directly to the pathology laboratory's LIMS (Laboratory Information Management System) where they are automatically checked. Providing results are technically valid they should appear on the clinician's computer screen in the clinic within 10 minutes.

“We chose the ABX Pentra 60C+, not only due to its ease of use and compactness, but also because it is reliable, requiring only weekly maintenance, just like the HORIBA ABX analysers in our main lab,” said Chris Wight, Head of Haematology at Wrexham.

Saving time and money

Having the same HORIBA ABX technology in both the main

laboratory and at the Shooting Star Unit means that all haematology results are fully comparable, so tests do not have to be rerun in the main laboratory, saving both time and money.

The ABX Pentra 60C+ is also safe since it is a closed tube system that automatically pierces caps, meaning that non experienced users do not have to remove lids from sample tubes. The use of hot keys in association with a barcode reader further simplifies the analysis process.

“Already the ABX Pentra 60C+ is having a positive impact at the Shooting Star Unit for both staff and patients alike,” added Chris Wight. “Having instant results means less waiting time for patients. Previously blood sample analysis would have taken up to an hour, with samples having to be physically transported back to the main lab for analysis and validation. Back in the lab we are highly confident in the accuracy of the results produced at the point-of-care.”

Analysis **Anywhere**

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