



Swami Rama Himalayan University
Himalayan Institute of Medical Sciences
Department of Pathology

Report on Interactive Technical Session
on DxH 900 Haematology Analyser & Applications in Department of Pathology

Date: 13.08.2025

Venue: HCDRL, HIMS, SRHU, Third floor.

Participants: 13 Faculty members, 15 PG Residents, Pathology and 30 Technologist from Hematology & Histopathology Section.



The Department of Pathology under the guidance of Dr. Smita Chandra, Professor & Head Department of Pathology organized an in-depth Technical Session on the **DxH 900 Hematology Analyser** on 13.8.25 from 11.30 am to 1.30 pm with a focus on its operational features, analytical capabilities, and clinical implications in diagnostic hematology. The program was designed to strengthen the knowledge and technical skills of faculty, residents, and laboratory technologists, ensuring optimum utilization of the analyzer's advanced features in daily practice.

The session commenced with Guest Lecture by Ms. Meenakshi Verma along with Mr. Ganesh Singh Bajeli, Senior Application Specialist, Beckman Coulter, who provided overview of the analyzer's core technology, highlighting innovations in impedance, flow cytometric analysis, and advanced algorithms that enhance accuracy and efficiency in complete blood counts (CBC) and differential leukocyte counts. The faculty emphasized the instrument's ability to detect subtle abnormalities through parameters such as **Monocyte Distribution Width (MDW)**, which is emerging as a potential early biomarker for sepsis.

Following the introduction, a detailed presentation on the **Internal Quality Assurance Program (IQAP)** was conducted, explaining how continuous calibration, control charting, and peer comparison improve result reliability. Attendees were given practical tips on recognizing and troubleshooting analyzer flags, ensuring minimal downtime and consistent quality output.

The second part of the session was dedicated to the **interpretation of scattergrams and histograms**, where participants learned to correlate graphical data patterns with pathological conditions, such as leukemias, bacterial infections, and nutritional anemias. Real-world case studies from the institution's archives were demonstrated, allowing participants to apply theoretical concepts to practical scenarios.

This interactive and application-oriented session not only enhanced understanding of the DxH 900's capabilities but also strengthened interdisciplinary collaboration between laboratory staff and clinicians for improved patient outcomes.

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Interactive Technical Session

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Venue: HCDRL, HIMS, SRHU, III Floor.

Date: 13.08.2025

Guest Speaker: Ms. Meenakshi Verma & Mr. Ganesh Singh Bajeli,
 Senior Application Specialist, Beckman Coulter

Attendance of Participants:

Name of Participant	Signature	Name of Participant	Signature
Dr Smita Chandra		Mr Jitendra Kumar	
Dr D. S. Gaur		Mr Ajeet Singh	
Dr Meena Harsh		Mr Bhagwan Das	
Dr Anuradha Kusum		Ms Vinita Rani	
Dr Nadia Shirazi		Mr Sachin Sharma	
Dr Mansi Kala		Mr Pankaj Rawat	
Dr Meghali Dhebane		Mr Ashish Saklani	
Dr Sumit Garg		Mr Sandeep Sharma	
Dr Bharti Saklani		Mr Mahesh Singh	
Dr Monica R.		Mr Vishal Sharma	
Dr Monika Yadav		Ms Pooja Dabral	
Dr Meghna Tyagi		Mr Sohan Lal Raturi	
Dr Shagun Harsh		Mr Man Mohan Singh	
Dr Saloni Garg		Mr Mukul Aswal	
Dr Prerna Prasad		Mr Abhishek Solanki	
Dr Pratishtha Katiyar		Mr Rajat Nautiyal	
Dr Roshni Saxena		Mr Mukesh Sajwan	
Dr Anisha Badoni		Ms Lalita Rani	
Dr Akanksha Aggarwal		Mr Amit Bhatt	
Dr Anam Mahravish		Mr Arpan Sindhwal	
Dr Guneet Bathla		Mr Pooja Pokhriyal	
Dr Himakshi Kinra		Ms Nidhi Negi	
Dr Shagun Sehgal		Mr Ikram Ali	
Dr Arunima Gupta		Ms Ananya	
Dr Beena Thuwal		Ms Ayushi	
Dr Harsh Kunwar		Ms Swati	
Dr Saurabh Sahay		Mr Gauri Shankar	
		Mr Shilendra Gaur	

Photographs of the event





