



Sanjeevani Multipurpose Foundation's  
**Dr. Deepak Patil Ayurvedic Medical College & Research Center**

Borpadale Phata (Nebapur), Kolhapur-Ratnagiri Road, Tal- Panhala, Dist. Kolhapur, Pin - 416213, Maharashtra State, India.

Ph. No. 9132039595 Website: [www.dpayurvediccollege.com](http://www.dpayurvediccollege.com) Email: [dr.deepakpatilayu@gmail.com](mailto:dr.deepakpatilayu@gmail.com)

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Date: 28/11/2024

**Academic Visit Report to Radioimaging Centre**  
**Department of Rognidan Evam Vikriti Vigyan**  
**Dr. Deepak Patil Ayurvedic Medical College and Research Centre, Borpadale**

**Organized by:** Department of Rognidan Evam Vikriti Vigyan

**Faculty Members Present:** Dr. Parag Kulkarni, Associate Professor & Head

**Details of the Visit**

**Location:** Krystal Scan Diagnostic Centre, Kolhapur

**Day & Date:** Thursday, 28th November 2024

**Timing:** 3:00 PM – 4:00 PM

**Introduction:**

The Department of Rognidan Evam Vikriti Vigyan organized an academic visit to Krystal Scan Diagnostic Centre, Kolhapur, for the second-year BAMS students. The purpose of this visit was to expose students to modern diagnostic techniques and familiarize them with advanced imaging modalities, patient care protocols, and the role of diagnostic services in clinical practice.

**Aims and Objectives:**

1. To provide hands-on exposure to modern diagnostic practices.
2. To understand the operations and workflow of a diagnostic center.
3. To observe and comprehend patient preparation, counseling, and reporting processes.
4. To appreciate the integration of Ayurvedic principles with modern diagnostic tools.

**Proceedings of the Visit:**

**Introduction to Departments and Working Procedures**

**1. Reception and Registration Area:**

**Patient Registration:** Collection of patient details, verification of identity proof, and digital data entry into the management system.

**Appointment Scheduling:** Managing appointments to ensure minimal waiting time.

**Billing and Payment:** Generating bills for diagnostic procedures and accepting payments via multiple modes.

**Patient Guidance:** Directing patients to the respective departments and providing necessary information about the diagnostic procedures.



## 2. Consulting Area:

**Case History Review:** Understanding the patient's clinical history and reviewing previous medical records.

**Consultation with Radiologist:** Recommending diagnostic tests based on symptoms and explaining procedures.

**Pre-Procedure Instructions:** Advising patients on fasting, hydration, or other specific preparations.

## 3. Ultrasound (USG) and Sonography Area:

**Patient Preparation:** Instructions like drinking water for abdominal scans and proper positioning on the examination table.

**Conducting the Procedure:** Applying ultrasound gel, using the transducer for imaging, and capturing internal organ images.

**Image Recording and Interpretation:** Radiologists analyzing images for abnormalities and reporting findings.

**Post-Procedure Care:** Cleaning the gel and providing further instructions to patients.

## 4. CT Scan Area:

**Pre-Scan Protocols:** Screening for contraindications like pregnancy or allergies to contrast agents, explaining the procedure, and positioning the patient on the CT table.

**Scan Execution:** Conducting scans with or without contrast agents, ensuring accurate imaging of specific body parts.

**Radiation Safety:** Using protective equipment to minimize radiation exposure.

**Image Analysis:** Generating detailed cross-sectional images and preparing diagnostic reports.

## 5. Reporting and Analysis Area:

**Image Review:** Radiologists examining scans for abnormalities like tumors, fractures, or organ dysfunctions.

**Report Preparation:** Generating precise and clear diagnostic reports using specialized software.

**Review and Sign-Off:** Cross-verifying findings and finalizing reports for patients.

## 6. Counseling and Patient Support:

**Explaining Results:** Interpreting diagnostic results for patients in simple terms and discussing next steps.

**Answering Questions:** Addressing patient concerns about procedures, findings, or follow-up care.

## Precautions and Preventive Measures:

**Hygiene and Sterilization:** Regular cleaning and use of disposable covers for equipment.

**Radiation Safety:** Ensuring the use of lead aprons and monitoring radiation exposure.

**Emergency Preparedness:** Availability of crash carts and emergency medications for adverse reactions.

**Contrast Agent Safety:** Observing patients post-procedure to avoid allergic reactions.





## General Standard Operating Procedures (SOPs):

**Data Management:** Maintaining accurate and confidential patient records.

**Communication:** Clear and empathetic communication with patients.

**Quality Control:** Regular machine calibration and quality assurance.

**Staff Training:** Continuous training sessions for staff to stay updated with advancements.

## Outcome and Conclusion

The visit provided students with valuable insights into the functioning of a modern diagnostic center. They observed the importance of patient care, safety protocols, and diagnostic accuracy in healthcare. The interaction with radiologists and technicians enriched their understanding of the integration of diagnostic tools in clinical practice.

## Future Scope:

This visit has inspired students to explore interdisciplinary research combining Ayurvedic diagnostic methods with modern imaging technologies.

Exposure to these advanced techniques may encourage students to pursue careers in diagnostic research or specialize in radiology-related Ayurvedic practices.

## **Prepared by:**

Dr. Parag Kulkarni,

Associate Professor & Head,

Department of Rognidan Evam Vikriti Vigyan

Dr. Deepak Patil Ayurvedic Medical College and Research Centre.



  
Principal  
Dr. Deepak Patil Ayurvedic Medical College  
& Research Center, Borpadale Phata, Tal. Panhale  
Dist. Kolhapur-416 213.