

BIOMEDICAL WASTE MANAGEMENT

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Introduction:-

•Medanta-Indore, one of central India's-fineest super speciality Institutes that has redefined standards of excellence in healthcare delivery by bringing together the best of infrastructure, technology, training, education, and medical intelligentsia.

• Medanta has created a world-class education and training centre backed by remarkable infrastructure, futuristic technology and an extraordinary vision of eminent cardiac surgeon, Dr. Naresh Trehan, Chairman & Managing Director, Medanta-The Medicity.

• The hospital is conveniently located in AB road near Vijay Nagar Square on the main road connecting Indore and Ujjain.

• Medanta is a world class medical institute which on full occupation will have 5 operating theaters:175 beds capacity with over 53 critical care beds & catering to over 8 specialties.

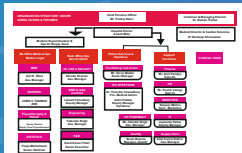


VISION & VALUES

"The institute is governed under the guiding principles of providing affordable medical services to patients with care, compassion & amp; commitment."

MISSION

"Our mission is to deliver world class health care service by creating institutes of excellence in integrated medical care, teaching, and research. We aspire to create an ethical & safe environment to treat all with respect and dignity.



Difference between practical exposure and theoretical understanding:

Theoretical understanding	Practical exposure
Principles, guidelines regulations, best practices.	Application and implementation of knowledge.
Analysing situations, identifying risks, designing solutions.	Tackling real life scenarios, adapting to challenges.
Formulating regulations, compliance frameworks.	Improving processes, feedback, emerging trends.

SWOT ANALYSIS OF OPERATIONS DEPARTMENT

STRENGTHS	WEAKNESSES	OPPORTUNITIES	THREATS
Expertise and specialization	Capacity constraints	Collaboration with allied medical institutions	Intense competition
Strong process orientation	High cost structure	Technological and service healthcare	Regulatory compliance
Quality assurance	Information management	Patient engagement and experience	Talent retention

CHALLENGES FACED DURING INTERNSHIP:

- Adapting to organizational culture.
- Handling difficult patients during feedback to operations department.
- Lack of experience.

LEARNINGS DURING INTERNSHIP:-

- Healthcare operations: learning about the inner working of hospitals, including operations and how to deliver care to patients.
- Patient care and experience: Through direct interaction with patients, I learnt about the importance of providing high quality care and ensuring a positive patient experience.
- Problem solving and decision making skills.
- Interdisciplinary collaboration: Healthcare is multidisciplinary, and teamwork from different healthcare professionals work together as a team.

USEFULNESS OF INTERNSHIP:-

- Practical application of knowledge.
- Organizational insight.
- Skill development.
- Career clarity.
- Network expansion.

SUGGESTIONS:-

- Identify areas where the patient experience can be enhanced.
- Provide training to improve the quality of patient care and outcomes.
- Organizing health awareness campaigns, partnering in community events, and collaborating with local organizations to address community health needs.
- Emphasize the importance of seeking feedback from patients, staff and other stakeholders.

BIOMEDICAL WASTE MANAGEMENT:-

Biomedical waste means "any solid and/or liquid waste including its container and any intermediate product, which is generated during the diagnosis, treatment or immunization of human beings or animals or research activities pertaining thereto or in the production or testing of biological or in health care."

BIO MEDICAL WASTE CONSIST OF:- Human anatomical waste like tissues, organs and body parts • Animal waste generated during research from veterinary hospitals • Microbiology and biotechnology wastes • Waste sharps like hypodermic needles, syringes, scalpels and broken glass • Discarded medicines and cytotoxic drugs • Soiled waste such as dressing, bandages, plaster casts, material contaminated with blood, tubes and catheters • Liquid waste from any of the infected areas • Incineration ash and other chemical wastes.

BMW MANAGEMENT DEPARTMENT

STAFF & ADMINISTRATION OF BMW MANAGEMENT DEPARTMENT IN MEDANTA SUPER SPECIALITY HOSPITAL, INDORE, MADHYA PRADESH

RESEARCHER: Mr. Simran De
SUPERVISOR: Mr. Naresh Trehan
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OBJECTIVES OF BMW MANAGEMENT DEPARTMENT

- Management, sorting, storage, transportation, dumping
- To minimize the production/ generation of infectious waste.
- Recycle the waste after treating to the extent possible.
- Treat the waste by safe and environmentally acceptable methods.
- Adequate care in handling to prevent HAIs.
- Safety precautions during handling the BMW.

LOCATION ON OF BIOMEDICAL WASTE STORAGE

- Located in ground floor at the backside of campus away from public traffic and separate area for staff with separate entry and separate area to discard Bio Medical Waste with separate entry



SEGREGATION
COLLECTION OF WASTE IN
MEDANTA SUPER
SPECIALITY HOSPITAL,
INDORE, MADHYA
PRADESH

- **Red Room** for the Bio Medical wastes that get dumped in Red Bags/Bins
- **Yellow Room** for the Bio Medical wastes that get dumped in Yellow Bags/Bins
- **Blue Room** for the Bio Medical wastes that get dumped in Blue Bags/Bins
- **Black Room** for all the general waste generated by through the hospital staff



TRANSPORTATION OF WASTE IN MEDANTA SUPER SPECIALITY HOSPITAL, INDORE, MADHYA PRADESH



DISPOSAL OF WASTE IN MEDANTA SUPER SPECIALITY HOSPITAL, INDORE, MADHYA PRADESH

Disposal of Bio Medical Waste was performed by Hoswin Incinerator Pvt. Ltd, Indore, Madhya Pradesh.