

# The Biomedical Engineering Department



**Biomedical Engineering department**



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## The Biomedical Engineering department

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The Biomedical Engineering Department supports our healthcare professionals in achieving the optimum application of medical technology in order to deliver appropriate, safe and effective patient care with quality and consistency.

We have transformed from the concept of a traditional cost center to a strategic enabler by creating and implementing innovative, robust solutions to ensure the accuracy, reliability and efficiency of all patient care technology.



The Biomedical Engineering Department consists of a 129 member multi-cultural workforce, operating as semi-decentralized entities with individual teams deployed in remote facilities. These are Al Khor Hospital, Al Wakra Hospital, and The Cuban Hospital. All other healthcare facilities under HMC are supported by our corporate team.

### **The scope of our activity covers technology management services such as:**

- Equipment management which includes incoming inspection and performance testing, preventive maintenance, calibration, corrective maintenance and retirement.
- Medical equipment inventory and asset management.
- Drawing up the specification/ compliance checklist for new medical technology acquisitions.
- Evaluation and assessment of health technologies.
- Service provider management.
- Compliance with the standards laid down by the government and other accreditation organizations such as JCI and CAP.
- Device tracking for identifying hazards and implementing recalls mandated by the manufacturer or ECRI.
- Educational activities such as providing application training for the end-users and service training for the Biomedical Engineering team.
- Implementing a quality assurance and improvement program by monitoring performance using KPIs.
- Technological risk management.
- Representations in technical committees.
- Development of hospital specific implementation plans.