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The Department of Biomedical Engineering was established in 1968 at Case Western Reserve University, founded on the premise that engineering principles provide an important basis for innovative and unique solutions to a wide range of biomedical and clinical challenges.

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A biomedical engineering/equipment technician/technologist (' BMET ') or biomedical engineering/equipment specialist (BES or BMES) is typically an electro-mechanical technician or technologist who ensures that medical equipment is well-maintained, properly configured, and safely functional. In healthcare environments, BMETs often work with or officiate as a biomedical and/or clinical engineer ...

Biomedical equipment technician - Wikipedia

Biomedical Engineering (BME) or Medical Engineering is the application of engineering principles and design concepts to medicine and biology for healthcare purposes (e.g. diagnostic or therapeutic). This field seeks to close the gap between engineering and medicine, combining the design and problem solving skills of engineering with medical biological sciences to advance health care treatment ...

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Behavior Research Methods - springer.com

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2.1. Capacitive tactile sensors. A capacitive sensor consists of two conductive plates with a dielectric material sandwiched between them. For parallel plate capacitors, capacitance can be expressed as, $C = \frac{\epsilon_0 \epsilon_r A}{d}$. Where C is the capacitance, A is the overlapping area of the two plates, ϵ_0 is the permittivity of free space, ϵ_r is the relative permittivity of the dielectric material ...

A review of tactile sensing technologies with applications

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Journal of Food Measurement and Characterization

Abbreviations ; ACCSQ: Consultative Committee for Standards and Quality (AGIT: Arbeitsgruppe Informationstechnologie (Working Group on Information Technology, Switzerland): ANDA: Abbreviated New Drug Application (ANMAT

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23.1 CHAPTER 23 STERILE MEDICAL DEVICE PACKAGE DEVELOPMENT Patrick J. Nolan DDL Inc., Eden Prairie, Minnesota 23.1 REGULATORY HISTORY 23.223.6 PACKAGE PROCESS

CHAPTER 23 STERILE MEDICAL DEVICE PACKAGE DEVELOPMENT

A 3-character code used to identify a specific category of extramural research activity, applied to financial assistance mechanisms. NIH uses three funding mechanisms for extramural research awards: grants, cooperative agreements and contracts.

Glossary of NIH Terms - OER Home Page | grants.nih.gov

[[Previous page](#)] [[Table of Contents](#)] Chapter 11 - Biological Safety Cabinets. Biological safety cabinets (BSCs) provide effective primary containment for work with infectious material or toxins when they are properly maintained and used in conjunction with good microbiological laboratory practices. The various classes and types of BSCs operate under the same basic principles.

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