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Biopharmaceutics in drug-device combination products

Combination products demonstrate their clinical importance and success and are now being regarded strategies to overcome some long-standing clinical problems. They are mainly drug-device combination applications, drug enhanced devices and device-based drug delivery systems. This presentation elucidates pacemaker, different generations of drug eluting coronary stents, antibiotic-loaded bone cements, collagen-based dressings as therapeutic agents for wound healing, drug-device combination products for ocular applications, including molecularly imprinted hydrogel contact lenses.

Biography

Monica C Chuong is currently an Associate Professor of Pharmaceutics at the Massachusetts College of Pharmacy and Health Sciences (MCPHS) University, Boston, MA. She teaches Pharmaceutics Lab I and II, Pharmaceutical Technology, Controlled Drug Delivery, Bioprocess Unit Op, Unit Op in Cosmetic and Food Sciences, Introduction to Cosmetic and Personal Care Products, and Pharmaceutical Particulate Science. She received her PhD degree from University of Houston in 2004 and Post-doctoral training at Oregon State University 2005-6. She served as the Chairperson of AAPS Northeast Regional Discussion Group in 2012, and is now as a steering member of AAPS Active Pharmaceutical Ingredient Manufacturing Technology Focus Group. She is also a member of Society of Cosmetic Chemists.

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