

Actualizing the Clinical Engineering Handbook through International Collaboration

BIOMEDEA III, Stuttgart

September 23-25, 2005

Dr. Joseph F. Dyro

Clinical Engineering Handbook

- International origins
- Long-felt need
- Comprehensive
- Reference in many venues
- Elsevier Science and Technology
2004

International Origins

- International Conference on Clinical Engineering
- Breakfast in Merano, Italy
- 20-21 October 1995
- "Certification an important issue"
- The Handbook of Clinical Engineering
- "Authors World-wide"
- 30,000 feet over the Atlantic

Advisory Board

- Andrei Issakov
- Ake Oberg
- Nicolas Pallikarakis
- Nandor Richter
- Matthew Baretich
- Joseph D. Bronzino*
- Bruce J. Morgan
- Robert Morris

Advisory Board (cont.)

- Jennifer Ott
- Frank R. Painter
- Malcolm Ridgway
- Binseng Wang
- Raymond P. Zambuto

International Scope

- 116 Authors
- 28 Countries
- Language difficulties
- Swift communication
- Web site
- Worldwide Clinical Engineering Practice

Contents

- Clinical Engineering
- Models of Clinical Engineering Practice
- Technology Management
- Management
- Safety
- Education and Training
- Medical Devices Utilization & Service

Contents (cont.)

- Information
- Engineering in the Clinical Environment
- Regulations
- Standard and the Law
- Professionalism and Ethics
- The Future

Safety

- Patient Safety & the Clinical Engineer
- Risk Management
- Patient Safety Best Practices
- Hospital Safety Programs
- Systems Approach to Device Safety
- Interaction Between Medical Devices
- Single Use Injection Devices
- EMI
- Accident Investigation
- The Great Debate on Electrical Safety

Advocacy

- Enhance professional stature of CE
- ACCE Tom O'Dea Advocacy Award 2005
- AAMI Clinical/Biomedical Engineering Achievement Award 2005
- Diverse professionals as authors

Reviews

- IEEE EMBS Magazine
- The Journal of Clinical Engineering
- Biomedical Instruments & Technology
- DITEC News
- AAMI/Elsevier partnership

The Future

- 10 years ago the seeds were planted for the Handbook at a meeting such as this in Merano, Italy
- Let's look to the future