Using a Mobile Training Kit to Promote Biosafety, Biosecurity

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Rationale

- We are interested in providing training materials that will allow biosafety professionals to train researchers and participants at different laboratory institutes.
- As of today, biosafety professionals and biological sciences laboratory workers do not have forum to discuss and exchange ideas to improve teaching, research, and service activities that promote biosafety management.
- Due to lack of training, over 27% of LAIs have been attributed to incorrect spill clean up and handwashing techniques.

Summary Statement

- Proper training in hand wash and spill decrease the probability of laboratory acquired infection.
- After hands-on and didactic lecturing, participants increase the confident in hand wash.

Results

- Pre and Post questionnaire showed the participants learned about biosafety, biosecurity, and the role of EGBSA.
- Handwashing and spill kit use was effective increasing confidence in biosafety practices.
- Practical examples in how to achieve biosecurity increased confidence in participants.
- The four presentations contributed in gaining new EGBSA members.

Benefits to Audience

- Provide training materials and resources to other biosafety association.
- Prepared curriculum materials including practices; hand on training hand out and videos.

Topics Covered Included

- Definition and terminology
- Pillars of biosafety and biosecurity
- Development of standard operating procedures
- Disinfection and waste disposal
- Working safely in biosafety cabinets
- Lab practices (hand wash – spills in environment)

Communication Media

1. Presenting at three locations (4 presentations)
   - Animal Research Institute (2 presentations)
   - Benha Laboratory Institute
   - Alexandria Laboratory Institute

These materials were used to train 162 researchers

Over 27% of LAIs in Egypt occur due to incorrect cleaning of spill.

Conclusions

- EGBSA has created a template with biosafety training materials and biosecurity practical examples for you and professional organizations.
- Learn from peers and other scientists instead of management about biosafety and biosecurity practices.
- Non-governmental association can play an effective and proactive role concerning safety and security issues.

Future Plans

- Create more training material
- Monthly newsletter with tips to participants
- Translate materials from English to Arabic
- Share materials with other organization

Thank You

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