

**UNEP-WHO-IDM-FDI East Africa (Kenya, Tanzania, Uganda)
Dental Amalgam Phase-down (EADAP) Project**

**Capacity building workshop on dental amalgam best management
practices, prevention and alternative materials**

Kampala, Uganda, 6-7 March 2013

The Venue: The School of Public Health Dentistry, College of health Sciences,
Makerere University Kampala, Mulago Hill, Kampala

- Seminar room 001 for the lectures
- Dental Clinic for the demonstrations

Wednesday, 6th March 2013

08:00 – 08:30 Opening of the meeting and welcome of participants

08:30 – 10:00

1. Mercury life cycle, impacts, the UNEP Global Mercury Partnerships and the Minamata Convention on Mercury

Dr. Desiree Montecillo- Narvaez (UNEP); Jean-Luc Eiselé PhD (FDI)

- 1.1 Mercury in the environment
- 1.2 Global mercury supply and consumption
- 1.3 Global mercury assessment 2013
- 1.4 Impacts on human health and ecosystems
- 1.5 The Minamata Convention on Mercury- provisions on mercury-added products including dental amalgam
- 1.6 The UNEP Global Mercury Partnership
- 1.7 The UNEP Global Mercury Partnership and the role of FDI; Practical implications of the Minamata Convention
- 1.8 The FDI approach to dental care in the future – continuing education of the dental profession

10:00 – 12:00

2. BMP on dental amalgam usage and environmentally sound waste management

Shunichi Honda (Ministry of Environment, Japan); Pam Clark (IDM, Australia)

- 2.1. Protecting the patients, dentists, health care professionals
- 2.2. Set-up, chair, suction, filters
- 2.3. Preparation of dental amalgam
- 2.4. Protecting the patient during intervention, including polishing
- 2.5. Handling of unused amalgam
- 2.6. Handling of amalgam particles

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- 2.7. Handling of the restored extracted tooth
- 2.8. Biosepsis measures
- 2.9. Use of separator, replacement of cartridge
- 2.10 Amalgam waste management- waste prevention and minimization, handling, separation, collection, packaging, labeling, transportation and storage, environmentally sound disposal including recycling and recovery

12:00 – 13:00 Lunch

13:00 – 15:00

Practical Demonstration BMP on dental amalgam usage and environmentally sound waste management

15:00 – 16:30

3. Alternative materials for dental restoration

Prof Poul-Erik Petersen (WHO Switzerland), Prof Ramon Baez (USA)

- 3.1. Dental caries- type, severity of lesion, complexity of dental care
- 3.2. Why do we need dental restoration?
- 3.3. Why do we need alternative materials?
- 3.4. Available alternative restorative materials
- 3.5. Clinical conditions
- 3.6. ART approach
- 3.7. Safety: Pros and Cons
- 3.8. Technical requirements: Pros and Cons
- 3.9. Costs & insurance: Pros and Cons
- 3.10. Time requirements: Pros and Cons
- 3.11. Durability and wear resistance and fracture resistance: Pros and Cons
- 3.12. Challenges in waste management
- 3.13. Information to patients
- 3.14. Patient oriented care: clinical decision making
- 3.15 The quality needed of new materials

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16:30 – 18:00 Clinical demonstration with patients

20:00 Group dinner at the Sheraton Hotel. Details to be announced after the meeting

Thursday, 7th March 2013

08:30 – 10:30

4. Clinical preventive dentistry

Prof Poul-Erik Petersen (WHO Switzerland): Dr. Nanna Jürgensen, PhD (WHO CC, University of Copenhagen)

- 4.1. Community and family involvement in oral health – strategies and approaches
- 4.2. Fluoridation for public health
- 4.3. Oral hygiene: brushing and flossing
- 4.4. Effective fluoridated toothpaste
- 4.5. Fluoride varnish and self-application of fluoride
- 4.6. Self-care aids
- 4.7. Health education: capacity building of patients,
- 4.8. Diet and nutrition: dietary counseling, control of sugar-containing foods and drinks
- 4.9. Attendance for oral care: problem-, treatment-, preventive/check-up driven,
- 4.10. Continuity of care, patient regular visit
- 4.11. Comprehensive care or demand driven patient care
- 4.12. Early detection of caries lesions
- 4.13. Diagnosis of caries
- 4.14. Minimal Intervention Practice in dentistry
- 4.15. Fissure sealing
- 4.16. Remineralisation
- 4.17. Professional dental plaque control
- 4.18. Patient care : resources, treatment, and prevention, advocacy for dental care
- 4.19. Evidence-based preventive dentistry

10:30 – 12:30

Clinical demonstration with patients

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12:30 – 13:30 Lunch

13:30 – 16:00 Action planning/next steps in the EADAP project

16:00 – 16:30 Closing Remarks

Friday, 8th March 2013

08:30 – 13:00 Lecture Meeting with the Uganda Dental Association