Experiences from the International Centre for Rural Health

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International Centre for Rural Health (ICRH): created in 2007 at the San Paolo Hospital of Milan (scientific coordinator Prof. Claudio Colosio)

Aim of the Centre: creating innovative experiences of health care delivery in rural areas and promoting activities addressed at rural health at the local, national and international level

It was designed as a WHO Collaborating Centre for Occupational Health in 2010
The institutional status

1. Part of the public health system of the Region of Lombardy (annexed at the Occupational Health Unit of the University Hospital San Paolo of Milan)

2. Acts in agreement with the University of Milan, department of Health Sciences

3. Serves specific projects of the Region of Lombardy (health surveillance of agricultural workers, risk assessment and prevention of pesticide use in agriculture)
1. Training & Education of workers (enterprise level; territory)
2. School of Medicine, courses in Occupational Health (in Italian and English)
3. School of Nurse, Occupational Health
4. School of Occupational Health Prevention Personnel
5. Post Graduate School in Occupational Health
6. PhD programmes in Occupational and Environmental Health
7. International Training Courses
1. In agreement with the Joint Territorial Committees
2. Targeted at educational needs present in the territory
3. Targeted at the actors present at the workplace (Workers’ Representatives for Occupational Safety and health; Occupational Health Physicians; Occupational Health Personnel)
4. Target at worker’s subgroups
5. Collaboration public-private sectors
6. Some images
1. School of Medicine, courses in Occupational Health (in Italian and English)

   5th year school of Medicine: the course is based on three learning methods:

   - a. Formal teaching activities provided in the teaching room (42 h).
   
   - b. Case studies and simulation of “real life conditions”. Discussion of cases.

   - c. Practical activities comprising execution of hearing loss and respiratory function evaluation, workplace inspection, blood samples collection, physical examination of workers, communication with expatriate workers (16h).
Some products: cow milker’s wrist

Extensor carpi ulnaris left, transverse scan.
Signs of tenosynovitis and hypoechoic signal (full thickness).

Permanent dislocation of the distal tendon of extensor carpi ulnaris.

LACK OF SYMPTOMS

14x2 acoustic windows

Suffering in ulnar extensor compartment
1. School of Nurses: 15 hrs Occupational Health & safety
2. School of Occupational Health Prevention Personnel: 3 yr course; practical activities
3. Master Course in Sciences of Health Prevention-related Professions
1. Post Graduate School in Occupational Health: full time 4 year activities; salary to students; integration of formal teaching activities and practical exercises at the enterprise level. Dissertation based on an experimental activity on OH & S

2. PhD programmes in Occupational and Environmental Health
   - Epidemiology, environment and public health: Curricula:
     - Biostatistics and epidemiology
     - Hygiene and public health
     - Occupational medicine and industrial hygiene
   - Environmental Sciences: Curricula:
     - BIOLOGY, MEDICINE, AGRICULTURAL AND VETERINARY SCIENCES
     - PHYSICS AND EARTH SCIENCES
Practical activity: skin exposure assessment
The cow milker’s nodule

...: reached in close collaboration with the agricultural enterprise veterinarian

**seudopoxvirus** infection in human

**seudopoxvirus** infection in cow
Central Asian Network & Forum for Education, Research & Innovation in Environmental Health is established and functioning

Six Centres for Education, Research and Innovation in Environmental Health established in KG, KZ and TJ

3 PhD programs in Occupational health, Environmental Health and Public Health elaborated and launched

International collaboration and partnership between EU and CA universities
2016-2019
Strengthening Network
Education, Research and
Innovation in Environmental
Health in Asia

Expected short term impact of the project

- 90 Trained trainers from Central Asian and Indian universities
- Enhanced English language knowledge of 20 teachers from each Central Asian and Indian university
- Updated professional competences of 10 teachers from each Central Asian and Indian university
- Revised MSc & PhD programs / Introduced new MSc studies
- E-laboratories with managed learning environment at each Central Asian and Indian university
Erasmus+

Expected long term impact of the project

- Increased & improved educational and research capacities of Central Asian and Indian universities
- Grown cooperation and networking between EU, Central Asian and Indian universities
- Better quality of teaching at MSc & PhD programs of Central Asian and Indian university
- Increased academic mobility between EU, Central Asian and Indian universities
- Input in improving environmental health, public health & social well-being of population of Central Asia and India
Other International Activities

• International teaching activities conducted under request:
• Hong Kong, Serbia, Thailand, Costa Rica, Kazakhstan.....
Thank You
For
The kind attention!