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INVITATION TO THE LECTURE

entitled

Toxicovigilance of endocrine disrupting chemicals – Polychlorinated biphenyls in South East Slovenia

mag. Lucija Perharič, dr. med.

*Department of toxicology,
Institute of public health of the Republic of Slovenia*

Thursday, April 5th 2007 at 16:00

*Lecture hall 201 of the School of Environmental Sciences,
Via Croce 3, Gorizia, Italy*

An endocrine disrupting chemical (EDC) is an exogenous substance or a mixture that alters function(s) of the endocrine system and consequently causes adverse health effects in an intact organism, or its progeny, or (sub)populations. Within departmental toxicovigilance activities, we reviewed historical data on the environmental and human burden with PCBs of Krupa river valley in SE Slovenia where in 1983 considerable contamination with PCBs had been established. An electrical capacitor factory in the vicinity had been identified as the pollution source. Between 1962 and 1984 the factory dumped 130 t of waste containing around 70 t of PCBs in various waste sites within 5 km from the factory. Several studies showed increased concentrations of PCBs in the environment and food, as well as significant exposure of humans. On the grounds of the reviewed data, we recommended further research including systematic surveillance, biomonitoring and studies of morbidity and mortality in order to perform risk assessment for human health and elucidate a more in-depth and provable association between exposure and effects.

Kindly invited!