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## **SEDENTEXCT: a European Framework Programme project to increase safety and efficacy of dental Cone Beam Computed Tomography**

Deimante Ivanauskaite, K. Horner, V. Rushton, H. Devlin, G. Armit, S. Birch, J. Petch, A-M. Glenny, A. Walker, K. Tsiklakis, H. Stamatakis, K. Karayianni, M. Hedesiu, M. Baciut, M. Bannard, R. Jacobs, M. Loubele, R. Bogaerts, R. Pauwels, C. Lindh, M. Rohlin, M. Nilsson, J.Ziliukas.

### **Background:**

During the last year new technology, such as dental Cone Beam Computer Tomography (CBCT), become more and more useful in dentistry for radiological examination. This X-ray technology provides possibility to have three dimensional images in dental and maxillofacial region.

### **Aim:**

To introduce for specialist of medical fields especially for dentists a European Framework Programme project SEDENTEXCT (Safety and Efficacy of a new and Emerging Dental X-ray Modality).

### **Material and Methods:**

The working team in SEDENTEXCT project involved 6 partners from European Universities and Leeds test objects. Main objectives are defined, that to investigate, discuss, make recommendation, spread information about usefulness of dental CBCT in Dentistry. The working team bring into Management team, Physics, Diagnostics and Guideline and training groups. Six work packages are formulated that to answer and perform the main objectives of the project.

### **Results:**

Description of working packages are presented in web site of the project with topics: Justification and Guideline development, Dosimetry, Optimization, Diagnostic accuracy, Cost effectiveness, Training and Valorisation. Methodology to be used in the project and studies design during the project is developed and SEDENTEXCT project is in procedure to present results and increase safety and efficacy of dental Cone Beam Computed Tomography in Dentistry.

### **Conclusion:**

Information and working results of SEDENTEXCT project are available during the all time of the project and after end of it. SEDENTEXCT project supports specialists and helps to increase safety and efficacy of dental Cone Beam Computed Tomography in Dentistry.