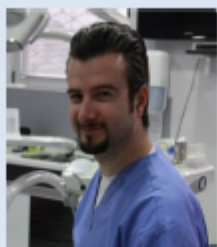


## Invited speaker lecture



### Digital Vs. analog x-ray images and their application in dentistry then and now

Kiro Papakoca

*Faculty of medical sciences, University "Goce Delcev" – Shtip*

#### **Abstract**

**Introduction:** The purpose of this presentation will be the focus of today's digitalization era, which is increasingly present in dental medicine in general, as well as in each of its fields individually. Clinical use of X-ray imaging is featured in dental practice in almost every clinic and is an indispensable part of everyday life.

**Material and method:** The function and condition of the patient in our study will be able to evaluate and take any therapy if we have accurate clinical, paraclinical and x-ray analyzes that will be made before any dental treatment is performed. All X-ray techniques will certainly be discussed, presenting them and all their applications in every area of dentistry. Beginning with oral surgery and implantology, then orthodontics, periodontics, endodontics, etc.

**Results:** The next generations of X-ray machines, which are updated every day, will give the detail in every segment that is not interested in and on which dental therapy should be done. Opportunity to obtain an accurate diagnosis immediately, by performing a dental treatment with maximum precision, is only part of the benefits of using modern methods of digital X-ray imaging.

**Conclusion:** Benefits that our patients nowadays, using computed tomography or 3D X-rays, are huge, because for a very short time interval we get a very precise and clear picture of the condition of the dentition in each one. With the use of new and modern appliances, the radiation is reduced to a minimum, both for the patient and the therapist that controls those X-ray machines.

#### **Key words**

x ray, image, machines, tomography, digital, analogical, benefits, modern