

## **Forensic Odontology: Reset and Reboot**

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### **Abstract**

Gone are the days when teeth were only used to determine the age of an individual. The stream Forensic Odontology has expanded its wings not only to nab a criminal but also to make the bones speak. This is an evolving branch of science and has immense potential in the future. Though the science behind the subject still uses the age old principles but the techniques bar certainly has been raised. As there is lot of upgradation worldwide with the involvement of digitalization, the subject, Forensic odontology also went through a lot of upgradation to be what we see the subject today. Apart from determining Age, Sex and Race of the individual it can now be used to find out diet details, occupation, migration history and cultural history of an individual. With the introduction of Artificial intelligence and 3D technology bitemark analysis, age estimation has undergone drastic changes. The newer methods like 2D and 3D photogrammetry is involved in better profiling of an individual. One of the most important aspect of odontology is to aid in identification, and with the use

of softwares and digital databases, the success rate has improved. There are certain databases which is accessible both Intra and Inter countries, specially in cases of Mass Disasters where victims belong to different nationalities. This paper will mainly focus on the recent advances in forensic odontology and the future scope of the subject.

### **Biography**

Dr.Pooja Chakraborty is a dental graduate and holds post graduation in Forensic Odontology from National Forensic Sciences University, Gandhinagar. She has been a good student throughout with excellent academic records as well as participating in various National and International conferences, both as delegates and as a participant. She is an enthusiastic and ambitious. She has co-authored few articles in International Journal and contributed a book chapter as well. She is voluntarily associated to Legal Firms and Forensic Institutes to gain exposure as well as promote her own subject in a bigger platform.