iDENTIfyme Informative Campaign: Raising Forensic Dental Identification Awareness in the Community

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The identification of human remains can be performed visually through the involvement of families and next-of-kin. Nevertheless, it is not advisable to rely only on visual recognition; instead, it is preferable to perform a forensic comparison of antemortem and postmortem data of primary identifiers (fingerprints, DNA, and dental data). A dental autopsy is particularly valuable in the identification process of skeletonized, carbonized, saponified, and fragmented human remains. The principal challenge in the identification process is the search and collection of antemortem data. To this end, all dental information held on a missing person can represent a precious source of individualizing information that the family should share with the police or investigating agencies after reporting a disappearance.

Key words: Human identification, Missing persons, Forensic odontology

The aim of this campaign is to raise awareness on the collection of (antemortem) data related to the teeth and mouth of the missing person, by searching for portrait pictures depicting the smile or showing front teeth [2], old radiographs [3,4], dental devices such as sports mouthguards, bite plates for bruxism, bleaching trays, and old mobile orthodontic retainers. Families and relatives could still possess these sources of individualizing dental information, which risk being undervalued or not re-
ported to the police. Portrait pictures or selfie pictures can show dental features such as diastema, rotated or wrongly positioned teeth, lip anomalies, recognizable fixed prosthetics, dental crown discolorations, and dental or cutis piercings [2,5].

The iDENTIfyme campaign raises awareness through an explanatory video helping families and relatives of missing individuals to recognize the above devices and to understand the importance of contacting their dentists to retrieve more dental information that could still be archived in a dental clinic, such as model casts showing palatal rugae [6], intraoral photographs, and prosthetics [7], as well as conformity certification of prosthetics and dental implant data [8].

The information campaign and the text have been translated, to date, into Arabic, Hindi, Italian, English, and Portuguese (الشخصية هویة على التعرّف، iDENTificami, iDENTIfyme, and iDENTIficame, respectively). The video shows clear and simple images of all the dental devices and dental-related data that should be searched by the families and then eventually delivered to the police. The campaign is available for further translations to forensic odontologists of all nationalities.

This information can be converted into valuable forensic individualizing data and compared with the biological profile of the unidentified deceased, excluding the incompatible profiles of the missing and narrowing the list of compatible candidates with whom to conduct the comparison of antemortem and post-mortal data to achieve a positive identification.

The informative campaign has also been distributed to missing persons national associations and media and has become a useful tool to place the importance of human identification (and, specifically, forensic odontology) in the spotlight of authorities in several countries where there is a need for more awareness and collaboration between families of the missing, police agencies, and forensic odontologists [9,10].

**Ethics Statement**
This paper is a perspective, so it did not need ethical approval.

**CONFLICT OF INTEREST**
The author has no conflicts of interest associated with the material presented in this paper.

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All work was done by EN.

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