

# 3D print technology use in bite mark analysis

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## ABSTRACT

The forensic dentistry has become increasingly present in the forensic institutes in Brazil. Within its field of operation, stands human identification in mass disasters, charred bodies and bitemark analysis. 3D technology has been used in little cases. The aim of this study was to analyze 3D print technology in a simulated case. 20 models were digitalized and printed with a 3D print (Sethi 3D). 10 objects were randomly bitten by 10 suspects. After biometrical analysis, it was possible to relate each object to each author. These results show that it is possible to positively analyze the authorship of bites and objects through 3D printing technology.