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## Awareness and knowledge about Poly EtherEtherKetone (PEEK) material in dental undergraduates of Chennai city: A cross sectional study

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- Conflict of Interests:

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### Abstract

**Background:** Introduction of newer biocompatible materials in dentistry is always been a welcome. PEEK, which is one such material is gaining popularity in various specialties of dentistry. However, Awareness and knowledge about this blooming material is still unknown among the dental students. So the purpose of this study is evaluate the same in students pursuing dentistry as PEEK is quite new material in dentistry comparing to composite, ceramics or zirconia it is important to explore it more.

**Methodology:** This study is an online cross sectional study conducted on dental undergraduate students in Chennai city. An E-questionnaire was distributed to all the undergraduate students from various years. The survey consists of two different sections, section-1 consists of a set of five questions to assess the awareness about PEEK material and the next section consists of a set of twenty questions to assess the knowledge. The responses of the latter are recorded in 5-point likert scale. The data's collected were analyzed for awareness across various years of undergraduate students and knowledge about PEEK using EPI-INFO (version 7.2.2.6, CDC license: Atlanta, Georgia US: public domain) software.

**Results:** The results of this study shows that there is a significant association between awareness level and undergraduate students of various years. The knowledge about PEEK was recorded in 5-point likert scale and 60% of the participants were unsure about this material knowledge.

**Conclusions:** This study findings have important implications for incorporating newer materials in clinical practice among students.

**Keywords:** PEEK, Awareness and knowledge, Questionnaire –Study, Survey

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