

Effectiveness of Computer-Assisted Teaching on Knowledge Regarding Organ Donation Among College Students in Kangra District, Himachal Pradesh.

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Background:

Organ donation is a life-saving medical procedure that significantly improves the survival and quality of life of patients with end-stage organ failure. Increasing awareness and knowledge among young adults is essential to promote positive attitudes toward organ donation. Educational strategies such as computer-assisted teaching can play an important role in enhancing students' understanding of this concept.

Methods:

A quantitative research approach with a quasi-experimental research design was adopted to assess the effectiveness of computer-assisted teaching on knowledge regarding organ donation among students of selected colleges in District Kangra, Himachal Pradesh. The study sample consisted of 80 final-year students selected through convenient sampling. Data were collected using a structured knowledge questionnaire. The validity and reliability of the tool were established prior to data collection. Descriptive and inferential statistics were used for data analysis.

Results:

The findings showed that during the pre-test, 20% of students had poor knowledge and 80% had average knowledge regarding organ donation. After the computer-assisted teaching intervention, 18.75% of students demonstrated good knowledge and 81.25% had average knowledge, with no students remaining in the poor knowledge category. The mean post-test knowledge score (18.05) was higher than the mean pre-test score (12.35). A paired t-test showed a statistically significant improvement in knowledge ($t = 4.505, p < 0.05$).

Conclusion:

The study concluded that computer-assisted teaching was effective in improving students' knowledge regarding organ donation. Educational interventions should therefore be encouraged to increase awareness and promote organ donation practices among young adults.

Keywords:

Organ donation, computer-assisted teaching, knowledge, college students, quasi-experimental study.

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