

Using fuzzy clustering in dental image segmentation

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Abstract: This topic focuses on applying the fuzzy clustering method to improve the dental image segmentation process, meeting the need for complex image processing in healthcare. The goal is to build an efficient automation system that helps dental professionals analyze and diagnose quickly. The research method combines theory with experimentation to ensure the accuracy and reliability of the system. The expected outcome of this topic is to create a useful tool for the medical community, contributing to improving the quality of healthcare services.

Keywords: fuzzy clustering, image segmentation, dentistry, automation, diagnostic imaging