New Fuzzy Algorithm to Inspect Adenoids

Abstract

Children are the most beautiful and innocent part of our life irrespective of any cast and religion. But they are the most vulnerable to be affected by any kind of diseases as well as harm due to their natural immaturity. One of the vital suffering for the kids is Adenoid. Adenoids (or pharyngeal tonsil, or nasopharyngeal tonsil) are a mass of lymphoid tissue situated posterior to the nasal cavity, in the roof of the nasopharynx, where the nose blends into the throat. Normally, in children, they make a soft mound in the roof and posterior wall of the nasopharynx, just above and behind the uvula. In this research we first imposed the Fuzzy C-means algorithm to our sample image and observed its value. After getting the experimental result from Fuzzy C-means we have had designed new Fuzzy algorithm which aftereffect better than the previous one. We have had espy that our proposed algorithm is twenty (20%) percent better than Fuzzy C-means algorithm.

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New Fuzzy Algorithm to Inspect Adenoids

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Index Terms

Computer Science

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New Fuzzy Algorithm  Fuzzy C-means Algorithm  Nasopharynx  Lymphoid Tissue  Uvula.