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CARIES AND MODERN DIAGNOSTICS

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Annotation: Caries is the most common disease of the oral cavity.Due to the untimely treatment of caries, its complications can be considered the loss of a tooth with a whole head. It is also much easier and easier to treat if it is diagnosed at an early stage. There are modern diagnostic methods that are even more effective than traditional ones for early diagnosis. The advantages of modern diagnostic methods are much higher. These diagnostic methods are used to identify the early stages of caries.aries is the most common oral disease.Due to the untimely treatment of caries, its complications can be considered the loss of a tooth with a whole head. It is also much easier and easier to treat if it is diagnosed at an early stage. There are modern diagnostic methods that are even more effective than traditional ones for early diagnosis. The advantages of modern diagnostic methods are much higher. These diagnostic methods are used to identify the early stages of caries. It is effective, painless, and provides more treatment options. Apart from this, it has several other advantages.

Keywords: caries, traditional diagnostic methods, modern diagnostic methods, advantages, efficiency level.

Introduction: caries is considered the most common disease of the oral cavity and is a pathological process that occurs after teething, accompanied by demineralization of the hard tissues of the tooth. The causes of caries can be different. Studies on the prevalence of caries among children have been conducted in Nukus. The total number of children was 87. management: caries is considered the most common disease of the oral cavity and is a pathological process that occurs after teething, accompanied by demineralization of the hard tissues of the tooth. The causes of caries can be different. Studies on the prevalence of caries among children have been conducted in Nukus. The total number of children was 87. Of these, 47 are boys and 40 are girls. They found that the causes of tooth decay are excessive consumption of carbohydrates and neglect of oral hygiene. This follows measures aimed at eliminating the causes. A second check was carried out and a positive change in the indicator was found.It has been found that the causes of tooth decay are excessive consumption of carbohydrates and neglect of oral hygiene. This follows measures aimed at eliminating the causes. A second check was carried out and a positive change in the indicator was found. It was found that the overall prevalence of caries decreased from 83% to 71%, from 85% to 77% among boys and from 80% to 65% among girls. In order not to get infected with caries, it is recommended to prevent it and maintain oral hygiene. Untimely treatment of caries can lead to several complications.even cause a tooth burn. The sooner the caries is detected, the easier the treatment will be. There are several methods of caries diagnosis, which can be divided into traditional and modern. Examples of traditional methods are visual inspection, probing, X-ray diagnostics, and vital staining methods.Premature treatment of caries can lead to several complications.even cause a tooth burn. The sooner the caries is detected, the easier the treatment will be.

There are several methods of caries diagnosis, which can be divided into traditional and modern. Examples of traditional methods are visual inspection, probing, X-ray diagnostics, and vital staining methods. These methods may not be of sufficient help in determining the initial stages of caries. So you should not limit yourself to these methods. Currently, there are methods that can accurately diagnose even the initial stages of caries. Examples are transillumination Diagnocom, Laser Florence DIAGNOdent. Diagnocam is a high-tech device that uses the X-ray method to detect caries. Diagnocam does not use ionizing radiation, unlike traditional X-ray examinations. This is a sign of absolute security. Currently, there are methods that can accurately diagnose even the initial stages of caries. Examples are transillumination Diagnocom, Laser Florence DIAGNOdent. Diagnocam is a high-tech device that uses the X-ray method to detect caries. Diagnocam does not use ionizing radiation, unlike traditional X-ray examinations. This is a sign of absolute security. The diagnostic process on the Diagnocam takes several minutes. This process occurs when the dentist uses the diagnocam device to examine each tooth, the light projected through the tooth detects changes in the tooth structure using the camera, and the diagnostic results are displayed on the screen in real time. With this method, it is possible to detect the earliest stages of caries, even those changes that are not visible on conventional X-rays. Studies based on Diagnocam and traditional rengen were conducted. This study was based on a diagnostic camera and traditional X-ray images to detect caries on the proximal surfaces of molars in children aged 5-8 years. At the same time, 236 teeth with proximal caries were examined. In this study, sensitivity showed 51.9% in rengin and 85.2% in diagnocam, and specificity showed 57.9% in rengin and 56.9% in diagnocam.This study was based on a diagnostic camera and traditional X-ray images to detect caries on the proximal surfaces of molars in children aged 5-8 years. At the same time, 236 teeth with proximal caries were examined. In this study, sensitivity showed 51.9% in rengin and 85.2% in diagnocam, and specificity showed 57.9% in rengin and 56.9% in diagnocam.The diagnostic method is based on the principle of laser fluorescence, which sends a red laser beam onto the tooth surface. At the same time, healthy tissue does not emit Florence when exposed to laser light. If caries is present in the tooth, then the decay products of bacteria accumulate there, in particular, a substance called porphyrin. These porphyrins emit light (Florence) when they collide with laser light. Registers Florence and evaluates it as a numerical indicator (from 0 to 99).

Modern diagnostic methods help to identify even the earliest stages of caries. It can even detect changes that are not visible on X-ray images. This allows for a painless, minimally invasive treatment. It can also help to identify secondary caries under the filling.It can also help prevent the expansion of the lesion of the hard tissues of the tooth, preserve healthy tissues.temporary diagnostic methods help to identify even the earliest stages of caries. It can even detect changes that are not visible on X-ray images. This allows for a painless, minimally invasive treatment. It can also help to identify secondary caries under the filling.It can also help prevent the expansion of the lesion of the hard tissues of the tooth, preserve healthy tissues. This ensures a long tooth life. In addition, it also helps to save time and reduce treatment costs.

Conclusion: first of all, it is necessary to prevent the occurrence of caries. Caries is very common. Early diagnosis allows for effective treatment. The earlier it is detected, the less the hard tooth tissue is damaged and the longer the tooth can last. Modern methods help to diagnose in the early stages. Their possibilities are wide.about this, it also contributes to the economy.

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