

MODERN DEVICES IN THE FIELD OF ORAL HYGIENE

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Introduction. Recently, dentists increasingly recommend their patients to purchase such a device for oral hygiene as an irrigator. An oral cavity irrigator is a device that forms a thin stream of water that, under pressure, cleans interdental spots from food residues and plaque, as well as periodontal pockets.

Aim. To analyze the use modern devices in the field of oral hygiene.

Materials and methods. Logical, analytical, marketing method as for the use of irrigator.

Results and discussion. The main components of the irrigator: the body of durable plastics. It has control and regulation devices; there is a window for monitoring the water level. Power supply; water compressor, which creates the necessary pressure, the strength of which is regulated based on the characteristics of the human body; capacity for a liquid, depending on the type of device, its volume varies within 300-2000 ml. A reservoir is made of environmentally friendly material. It does not form mold and lime plaque.

By variants of manufacture, irrigators are classified on: stationary - it is large and heavy (for them they choose a permanent place next to the socket); portable - devices aren't small size; devices operating from the water supply. With the help of an adapter, it attaches to the crane; the pressure control is carried out automatically. The main benefits of using the irrigator: an opportunity to achieve an ideal result regarding the quality of cleaning of enamel and soft tissue; prevention of diseases of teeth, which affects a large part of the population of our country. Under a strong water pressure, all substances that are a nutrient medium for bacteria are washed away; penetration of the cleansing jet into hard-to-reach places where the toothbrush does not get. The irrigator cleans the gaps between the teeth, gums, palate and tongue from mechanical deposits and pathogens; massage of soft tissues. Mechanical effect on the gum improves their blood supply and metabolism; qualitative maintenance of complex orthodontic structures. It is simply impossible to completely clean brush prostheses and bracket systems.

Conclusion. When the irrigator is turned on, the compressor creates a pressure in the container, under its influence, the liquid enters the nozzle, the position of the nozzle is regulated, the water enters the mouth in a scattered state, in the form of a constant or pulsating jet. Thus, irrigators are useful devices that will provide high-quality care of your teeth, even at home.

RESEARCH OF THE ASSORTMENT NON-INVASIVE SPHYGMOMANOMETERS

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Introduction. The number of patients with such ailment, as a hypertension, grows constantly. The presence of such disease supposes the high risk of development of ischemic heart, heart failure, heart attack or stroke trouble and promotes a general death rate and death rate from cardiovascular diseases in times. Certainly, such state requires control of blood pressure.

For the individual use optimal is application of medical devices - sphygmomanometer (blood pressure meter, blood pressure monitor, blood pressure gauge). Now on the method of air-blasting in a cuff apply Mechanical, Semi-automatic and Automatic sphygmomanometers. Since the advent of electronic medical devices, names such as "meter" and "monitor" can also apply, as devices can automatically monitor blood pressure on an ongoing basis.

Aim. To study the assortment of sphygmomanometers and analyse the most popular models for the different groups of consumers on the basis of group of devices presented by Kharkiv regional subdivision of OOO «Medhouse Swiss GMBH».

Materials and methods. Informative and commodity science analysis.