

Patent Application For: Dental Brush

Description

Background to the invention:

Dental brushes, also commonly called "toothbrushes" have been around for a long time. They come in all shapes and sizes, manual or electric, with various configurations in bristle technology, material used and compound combinations.

Generally, dental brushes fall into 2 broad categories:

1. Electrically (or battery) operated, hereafter referred to as "Electric Dental Brush"
2. Manually operated, hereafter referred to as "Dental Brush."

Dental plaque has been identified as the main cause of tooth decay. The objective of good dental hygiene is to remove plaque as thoroughly as possible on a regular basis. It is common knowledge that proper flossing and brushing techniques with appropriate dental brushes and dentifrices will remove the dental plaque and keep teeth better protected against carries. The scope of the current invention examines the use of Dental Brushes in achieving dental plaque removal.

Currently, the frame of Dental Brushes come straight or of various angles. Products have been out in the market to allow maximum reach of the Dental Brush to all the tooth and gum surfaces. Unfortunately, attempts at complete dental plaque removal with conventional Dental Brushes have been difficult. Usually, with the use of 2 or 3 different brushes, with different angles and brush head sizes, it becomes possible to completely remove dental plaque. This exercise proves too cumbersome for a quick and easy solution to dental hygiene.



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The other option, one that allows the use of just one Dental Brush, is to alternate between using the right and left hand to brush the various areas in the mouth. Unfortunately, most people are not ambidextrous and thus do not have the requisite abilities to perform this option.

Challenges to be Overcome by Invention

Faced with such challenges, the solution offered by this invention must serve the following criteria:

1. That a single Dental Brush be used
2. That the Dental Brush frame allows all areas of the mouth to be accessed.
3. A non-ambidextrous person who is either right or left-handed can operate it.
4. It is about the same price as an average Dental Brush on the market.

Description of Invention

The current invention is a Curved Dental Brush with twin (2) grips on the handle that allows the user to alternate grips that simulate alternating right and left hand use in brushing. The curve of the Dental Brush frame allows easy access to all areas of the mouth for brushing. No expensive or unusual components are involved in its manufacture since readily available dental grade materials can be used. This allows the price of the invention to match market prices for similar products in every country in the world.

Summary of Invention

The Invention:

A Twin Grip Curved Dental Brush, which comprises of:

1. A brush head portion, a neck portion and a handle portion, where the start of the Dental Brush shall be the tip of the brush head portion.
2. A Dental Brush, wherein there is a straight portion from the brush head which curves at the neck portion wherein there is a grip on the sloping neck portion; which curves again to form the handle portion which incorporates the second grip. These curvatures and straight sections with the proper dimensions enable the user to more effectively brush all areas of the teeth and gums.
3. A Dental Brush, wherein the handle portion has one grip position just before the neck portion on the curvature and another grip position just after the handle portion meets the neck portion. This dual grip position enables the user to alternate between the two grips so as to apply the most convenient grip position when brushing the various areas of the teeth and gums. This allows a non-ambidextrous person to use just one Dental Brush to effectively cover all areas of the teeth and gums.
4. A Dental Brush substantially as described in conjunction with the drawings

Uses of invention

The Twin Grip Curved Dental Brush has its use primarily as an instrument of dental hygiene in use by humans, whether they are young or old. The invention may be used at home, in schools, offices, travels or any other area where the use of a Dental Brush is required. Additionally, the same brush can also be used on household pets and in the veterinary industry for instances which call for the use of a Dental Brush.

Claims

The Invention:

1. A Twin Grip Curved Dental Brush, which comprises a brush head portion, a neck portion and a handle portion, where the start of the Dental Brush shall be the tip of the brush head portion.
2. A product according to claim 1 wherein the neck portion commences from the end of the rear bristles of the brush head portion and proceed straight 25 mm to the center of the first curvature. This distance is required to enable proper brushing of the inner teeth and gums.
3. A product according to claim 2 wherein after the first curve from the brush head, on the straight upward slope, there is a grip placed.
4. A product according to claim 3 wherein after the first grip, there is a second curvature.
5. A product according to claim 4 wherein after the second curvature, there is a second grip placed.
6. A product according to claim 3 and 5 wherein the use of both the first and second grip alternately, allows a non-ambidextrous person to use just one toothbrush to access all areas of teeth and gums.
7. A product according to claim 6 wherein the integration of the two grips with the curvatures substantially as described in conjunction with the drawings

Figure 1: Side Elevation of Dental Brush

Figure 2: Front Elevation of Dental Brush

Figure 3: Side Elevation of Dental Brush