[Document Name] Claims

~~[Claim 1]~~

~~An oral cavity care method using a fine ozone bubble liquid, characterized in that~~

~~a stock solution of the fine ozone bubble liquid has ozone gas concentration of 100 ppm or more,~~

~~even if ozone gas concentration of the fine ozone bubble liquid is diluted to 4 ppm or less, the fine ozone bubble liquid has a sterilizing action,~~

~~the fine ozone bubble liquid has ozone gas concentration of 4 ppm or more after frozen storage for one year or more, and~~

~~in addition to the sterilizing action, the fine ozone bubble liquid has an odor component decomposition action and an antiviral action.~~

~~[Claim 2]~~

~~The oral cavity care method using the fine ozone bubble liquid according to claim 1, characterized in that the fine ozone bubble liquid includes at least one type of fine bubbles among micro bubbles, micro nano bubbles and nano bubbles in a production process.~~

~~[Claim 3]~~

~~The oral cavity care method using the fine ozone bubble liquid according to claim 1 or 2, characterized in that the fine ozone bubble liquid is produced by containing fine bubbles of ozone gas in water in a production process.~~

~~[Claim 4]~~

~~The oral cavity care method using the fine ozone bubble liquid according to any one of claims 1 to 3, characterized in that the fine ozone bubble liquid is used as gargle water.~~

~~[Claim 5]~~

~~The oral cavity care method using the fine ozone bubble liquid according to any one of claims 1 to 3, characterized in that the fine ozone bubble liquid is used for brushing.~~

~~[Claim 6]~~

~~The oral cavity care method using the fine ozone bubble liquid according to any one of claims 1 to 3, characterized in that the fine ozone bubble liquid is used for treatment with an ultrasonic scaler.~~

~~[Claim 7]~~

~~The oral cavity care method using the fine ozone bubble liquid according to claim 6, characterized in that the method comprises the steps of : (1) conducting treatment while supplying the fine ozone bubble liquid, (2) determining a condition of bacteria in a subgingival margin using a phase contrast microscope, and (3) recording a diagnosis result in a medical record.~~

~~[Claim 8]~~

~~The oral cavity care method using the fine ozone bubble liquid according to claim 7, characterized in that, in the step (2), the condition of bacteria is automatically determined and on the basis of the determination, the necessity of additional treatment is determined.~~

~~[Claim 9]~~

~~The oral cavity care method using the fine ozone bubble liquid according to claim 7 or 8, characterized in that the medical record in the step (3) is an electronic medical record, and the condition of bacteria determined in the step (2) is automatically recorded in the electronic medical record and taken into account in a next diagnosis.~~

~~[Claim 10]~~

~~The oral cavity care method according to any one of claims 1 to 9, characterized in that the oral cavity care method is provided for a dental hospital, for treatment of periodontal disease, for preventing periodontal disease or for preventing halitosis.~~

~~[Claim 11]~~

~~The oral cavity care method according to any one of claims 1 to 9, characterized in that the oral cavity care method is provided for a nursing care facility, a clinic, or gargling in a facility.~~

~~[Claim 12]~~

~~The oral cavity care method according to any one of claims 1 to 9, characterized in that the oral cavity care method is provided for a veterinarian, a pet salon, or a pet for improving halitosis.~~

~~[Claim 13]~~

~~The oral cavity care method according to any one of claims 1 to 9, characterized in that the oral cavity care method is provided for beauty, health, sports, preventing health deterioration, or health promotion.~~

~~[Claim 14]~~

~~The oral cavity care method according to any one of claims 1 to 9, characterized in that the oral cavity care method is provided for preventing periodontal disease in house, for gargling in house, or for household use.~~

~~[Claim 15]~~

~~An oral cavity care system using a fine ozone bubble liquid characterized in that the system comprises: (1) a means for determining a condition of bacteria in a subgingival margin using a phase contrast microscope after treatment while supplying the fine ozone bubble liquid. (2) a means for recording a diagnosis result in an electronic medical record, (3) a means for displaying information of the electronic medical record.~~

~~[Claim 16]~~

~~The oral cavity care system using the fine ozone bubble liquid according to claim 15, characterized in that, in the means (1), the condition of bacteria is automatically determined and on the basis of the determination, the necessity of additional treatment is determined and displayed on the means for displaying information~~

~~[Claim 17]~~

~~The oral cavity care system using the fine ozone bubble liquid according to claim 15 or 16, characterized in that the condition of bacteria determined in the means (1) is automatically recorded in the electronic medical record and taken into account in a next diagnosis.~~

~~[Claim 18]~~

~~The oral cavity care system using the fine ozone bubble liquid according to any one of claims 15 to 17, characterized in that the information displayed in (3) is supplied to a means for removing tartar or plaque with an ultrasonic scaler while supplying the fine ozone bubble liquid to the tip of the ultrasonic scaler.~~

~~[Claim 19]~~

~~An oral cavity care system using the fine ozone bubble liquid according to any one of claims 15 to 18, characterized in that a stock solution of the fine ozone bubble liquid has ozone gas concentration of 100 ppm or more, even if ozone gas concentration of the fine ozone bubble liquid is diluted to 4 ppm or less, the fine ozone bubble liquid has a sterilizing action, the fine ozone bubble liquid has ozone gas concentration of 4 ppm or more after frozen storage for one year or more, and in addition to the sterilizing action, the fine ozone bubble liquid has an odor component decomposition action and an antiviral action.~~

~~[Claim 20]~~

~~The oral cavity care system using the fine ozone bubble liquid according to any one of claims 15 to 19, characterized in that the fine ozone bubble liquid includes at least one type of fine bubbles among micro bubbles, micro nano bubbles and nano bubbles in a production process.~~

~~[Claim 21]~~

~~The oral cavity care system using the fine ozone bubble liquid according to any one of claims 15 to 20, characterized in that the fine ozone bubble liquid is produced by containing fine bubbles of ozone gas in water in a production process.~~

~~[Claim 22]~~

~~The oral cavity care system according to any one of claims 15 to 21, characterized in that the oral cavity care system is provided for a dental hospital, for treatment of periodontal disease, for preventing periodontal disease or for preventing halitosis.~~

~~[Claim 23]~~

~~The oral cavity care system according to any one of claims 15 to 21, characterized in that the oral cavity care system is provided for a nursing care facility, a clinic, or gargling in a facility.~~

~~[Claim 24]~~

~~The oral cavity care system according to any one of claims 15 to 21, characterized in that the oral cavity care system is provided for a veterinarian, a pet salon, or a pet for improving halitosis.~~

~~[Claim 25]~~

~~The oral cavity care system according to any one of claims 15 to 21, characterized in that the oral cavity care system is provided for beauty, health, sports, preventing health deterioration, or health promotion.~~

~~[Claim 26]~~

~~A program characterized in that the program operates a computer as each of the means in the oral cavity care system using the fine ozone bubble liquid according to any one of claims 15 to 25.~~

~~[Claim 27]~~

~~A storage medium characterized in that the storage medium stores the program according to claim 26.~~

1. An oral cavity care system comprising:

(1) a means for automatically determining a condition of bacteria in a subgingival margin using a phase contrast microscope after treatment of supplying a fine ozone bubble liquid,

(2) a means for automatically recording a diagnosis result in an electronic medical record,

(3) a means for displaying information of the electronic medical record, wherein

a stock solution of the fine ozone bubble liquid has ozone concentration of 100 ppm or more,

even if ozone concentration of the fine ozone bubble liquid is diluted to 4 ppm or less, the fine ozone bubble liquid has a sterilizing action,

the fine ozone bubble liquid has ozone concentration of 4 ppm or more after frozen storage for one year or more, and

in addition to the sterilizing action, the fine ozone bubble liquid has an odor component decomposition action and an antiviral action.

2. The oral cavity care system according to claim 1, wherein in the means (1), the condition of bacteria is automatically determined and on the basis of the determination, the necessity of additional treatment is determined and displayed on the means for displaying information.

3. The oral cavity care system according to claim 1, wherein the condition of bacteria determined in the means (1) is automatically recorded in the electronic medical record and taken into account in a next diagnosis.

4. The oral cavity care system according to claim 1, wherein the information displayed in (3) is supplied to a means for removing tartar or plaque with an

ultrasonic scaler while supplying the fine ozone bubble liquid to the tip of the ultrasonic scaler.

5. The oral cavity care system according to claim 1, wherein the fine ozone bubble liquid includes at least one type of fine bubbles among micro bubbles, micro nano bubbles and nano bubbles in a production process.

6. The oral cavity care system according to claim 1, wherein the fine ozone bubble liquid is produced by containing fine bubbles of ozone gas in water in a production process.

7. The oral cavity care system according to claim 1, wherein the fine ozone bubble liquid is used for gargling.

8. The oral cavity care system according to claim 1, wherein the fine ozone bubble liquid is used for brushing.

9. The oral cavity care system according to claim 1, wherein the fine ozone bubble liquid is used for treatment with an ultrasonic scaler.

10. The oral cavity care system according to claim 1, wherein the oral cavity care system is provided for a dental hospital, for treatment of periodontal disease, for preventing periodontal disease or for preventing halitosis.

11. The oral cavity care system according to claim 1, wherein the oral cavity care system is provided for a nursing care facility, a clinic, or gargling in a facility.

12. The oral cavity care system according to claim 1, wherein the oral cavity care system is provided for beauty, health, sports, preventing health deterioration, or health promotion.

13. An oral cavity care system using a fine ozone bubble liquid, wherein a stock solution of the fine ozone bubble liquid has ozone concentration of 100 ppm or more,

even if ozone concentration of the fine ozone bubble liquid is diluted to 4 ppm or less, the fine ozone bubble liquid has a sterilizing action,

the fine ozone bubble liquid has ozone concentration of 4 ppm or more after frozen storage for one year or more,

in addition to the sterilizing action, the fine ozone bubble liquid has an odor component decomposition action and an antiviral action, and

the oral cavity care system is provided for a veterinarian, a pet salon, or a pet for improving halitosis.

14. A program, wherein the program operates a computer as each of the means in the oral cavity care system according to any one of claims 1 to 13.

15. A storage medium, wherein the storage medium stores the program according to claim 14.

16. An oral cavity care method using a fine ozone bubble liquid, wherein a stock solution of the fine ozone bubble liquid has ozone concentration of 100 ppm or more,

even if ozone concentration of the fine ozone bubble liquid is diluted to 4 ppm or less, the fine ozone bubble liquid has a sterilizing action,

the fine ozone bubble liquid has ozone concentration of 4 ppm or more after frozen storage for one year or more,

in addition to the sterilizing action, the fine ozone bubble liquid has an odor component decomposition action and an antiviral action, and

the oral cavity care method is provided for a veterinarian, a pet salon, or a pet for improving halitosis.