prepCheck

Computer-aided training system

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A plus for universities and students

Future dental practitioners need to be trained well in the accomplishment of preparations. Given the increasing number of students and fewer members of staff, less and less time is available to discuss students’ work. prepCheck is an easy-to-learn system based on objective measurement procedures which documents and analyzes students’ results and also allows to be called up at a later stage.

Objective assessment
Assessment of preparations and fillings using a measurement and analysis system

Simple application
Users can train themselves and enhance their skills without supervision

Reproducible results
Thanks to the software that provides evidence-based assessment tools
How does prepCheck work?

prepCheck is a combination of CEREC Primescan or CEREC Omnicam and analysis software which is installed on the mobile computer unit CEREC AC.

1. The student creates the preparation either on a phantom head of a simulation unit or on a patient.
2. The student scans the results with the CEREC Primescan or CEREC Omnicam. In doing so, the preparation, adjacent teeth and antagonists are measured intraorally.
3. The analysis software provides various automatic and manual tools in order to assess the result compared to the predefined values or the master preparation.

The components:

- CEREC AC
  - The mobile computer unit
- CEREC Primescan and CEREC Omnicam
  - For optical surface scans
- Analysis software
  - For objective assessments

The advantages at a glance:

**Innovative**
- Fully automatic 3D analysis
- For pre-clinical and clinical use
- Objective assessment of preparations and fillings
- Combination with simulation workstations

**Evidence Based**
- Reproducible results
- Archiving of analysis data
- Tamper-proof

**Proven**
- Well-established CEREC system
- Worthwhile investment
- State-of-the-art software and scanner
- Intuitive application, easy to learn
What options are offered by prepCheck?

prepCheck allows preparations to be analyzed and assessed in a variety of ways.

Further analysis functions

- Distance measurement between the cavity and the antagonist tooth and visualization using the colors green, blue and red.
- Comparison of the cavity with a master preparation and visualization using the colors green, blue and red.
- Analysis of layered fillings and visualization using the colors green, blue and red.
- Distance measurement between the cavity and the restoration and visualization using the colors green, blue and red.

Why is prepCheck so easy to use?

prepCheck uses a color concept whereby the quality of the results is displayed using various colors. The main colors are green, blue and red:

- **Green**
  The result is not within the specified value range, however the user is still able to improve the preparation.

- **Blue**
  The result is within the specified value range.

- **Red**
  The result is not within the specified value range and the user is no longer able to make improvements.
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