

Dürr Dental SE Research Grant

Almost anyone who has ever visited a dentist has already been treated with products from DÜRR DENTAL. This company has been a reliable partner of dental practitioners for more than 80 years. DÜRR DENTAL SE was founded in 1941 by the brothers Karl and Wilhelm Dürr from Gechingen in the Black Forest. The precision workshops were set up in Stuttgart-Feuerbach. The headquarters of the German company are now located in Bietigheim-Bissingen. Here, around 480 employees are engaged in production, research and development as well as sales and marketing. The internationally active DÜRR DENTAL Group currently has around 1300 employees throughout the world and enjoyed a turnover of more than €360 million euros with customers in 148 countries in 2022.

Dürr Dental SE is offering a research grant for the Master Periodontology at RWTH Aachen, Germany.

Research Topic

Surface quality after polishing on restorative surfaces

The study concept is as follows:

1. Study design: In-vitro study including literature research
2. Study parameters: material alteration with respects to e.g. gloss, color, surface roughness by profilometry and/or scanning electron microscopy before and after treatment with prophy powders
3. Methodology: Performance of artificial aging tests of restorative materials; treatment of the respective surfaces with prophy pastes under different set-up conditions; analysis of the surfaces before and after treatment; data evaluation in comparison to literature data.
4. Study duration: minimum 6 months
5. Aim: final report including all data and optional published study in a peer-reviewed journal

What we are offering:

1. A contemporary research-topic
2. Scientific support
3. Online-meetings every 4–6 weeks to discuss the latest issues
4. Direct contact to a leading German mid-sized company that is producing oral care products

5. Support in measuring gloss and color, provide contact to research institutions for surface roughness and scanning electron microscopy measurements
6. Support with paper-writing for a peer-review publication
7. Financial support/stipend: 8.000 €

Whom we are looking for:

- Highly motivated, research orientated character
- male/female/diverse
- Fluent in English language (spoken and written)
- Structured working capability and writing skills
- Experience in dental materials and prophy powder treatment of a at least 1 year
- Minimum of 1 peer-reviewed publication (1st/last author) (favorable)
- Access to required technical equipment or willingness to perform the work at Duerr Dental (Greater Area of Stuttgart, Germany)

Please send us your application for the grant and the study with a motivational letter (one page), your peer-review publications and specifications of your private praxis/dental clinics until 15th April 2024