ZAFAR Table 1. 980nm diode laser parameters used for smear layer removal from root canal surfaces.

|  |  |
| --- | --- |
| Manufacturer  | Medelux Co. Ltd |
| Model Identifier | DD-10 |
| Year Produced | 2015 |
| Number & Type of Emitters (laser or LED) | Laser |
| Wavelength and bandwidth [nm]  | 980nm |
| Pulse mode [CW or Hz, duty cycle] | Pulsed |
| Beam spot size at target [cm2] |  |
| Irradiance at target [mW/cm2] |  9500Mw/  |
| If pulsed peak irradiance [mW/cm2] |  |
| Exposure duration [sec] | 20 |
| Radiant exposure [J/cm2] | 0.48 J/cm2 |
| Radiant energy [J] |  |
| Number of points irradiated | 1 canal per tooth |
| Area irradiated [cm2] |  |
| Application technique | Non contact |
| Number and frequency of treatment sessions | 2 applications |
| Total radiant energy over entire treatment course [J] |   |