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##### **Development of friction fit conical abutment in narrow diameter implants**

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The objective of the present study was to develop an abutment for narrow diameter implants installed by means of friction. The specimen was composed of an implant of 2,9 mm x 13 mm fixed 1mm above of a metal block. Two abutments types have been tested: short and long. They were fixed by friction receiving 3, 5 and 7 strikes along the implant axis and they were measured after the beats. The abutments were subjected to pullout load, totalizing 18 specimens being 9 short abutment and 9 long abutment. The results showed higher values of pullout load for the long abutment with 7 strikes.