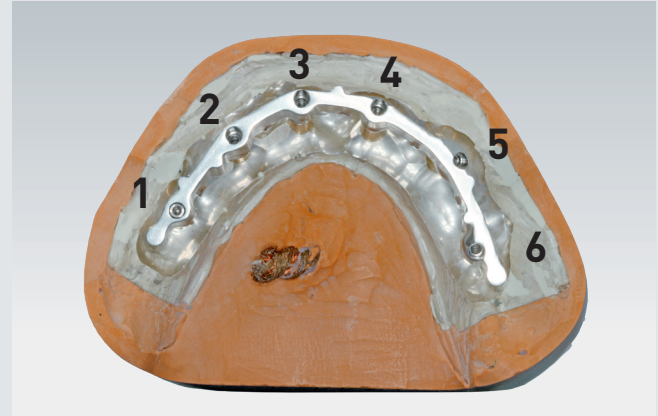
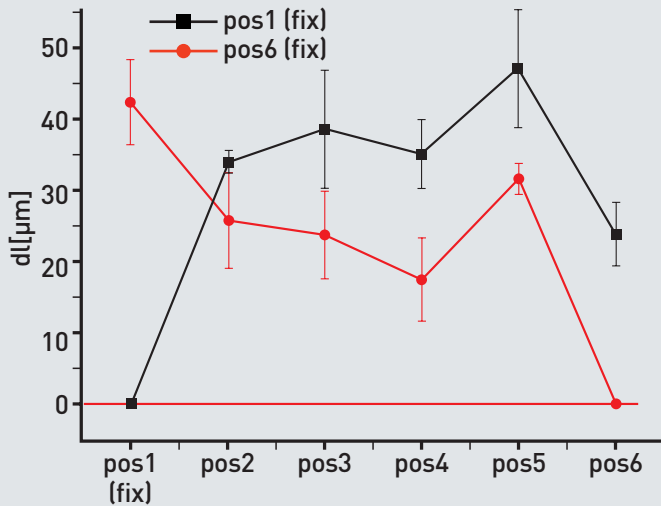


Sheffield Test on CAD/CAM-milled bar structure

On 6 implants made of CoCrMo – before spark erosion for passivation



Before SAE spark erosion

Position	Mean value of gap width in μm	Standard deviation in μm	Mean value of gap width in μm	Standard deviation in μm
pos1	0.00	± 0.00	42.38	± 5.81
pos2	33.87	± 1.87	25.85	± 6.79
pos3	38.53	± 8.67	23.70	± 6.16
pos4	35.03	± 4.91	17.43	± 5.80
pos5	47.04	± 8.57	31.54	± 2.10
pos6	23.86	± 4.43	0.00	± 0.00

■ fixed position ■ maximum gap

Study: Prof. Dr. W.-D. Müller Biomaterials research CC3 "Charité" Universitätsmedizin, Berlin

Bar structure - CoCrMo CAD/CAM-milled



CAD/CAM-milled from CoCrMo / SAE Okta-C
before passivation using SAE spark erosion

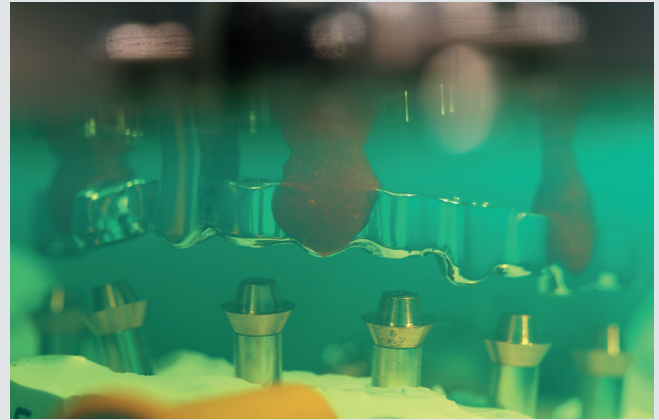


CAD/CAM-milled from CoCrMo / SAE Okta-C
before passivation using SAE spark erosion

Passivation using SAE spark erosion



The SAE spark erosion process with electrodes



The spark erosion process in the SAE spark erosion machine



After passivation using SAE spark erosion

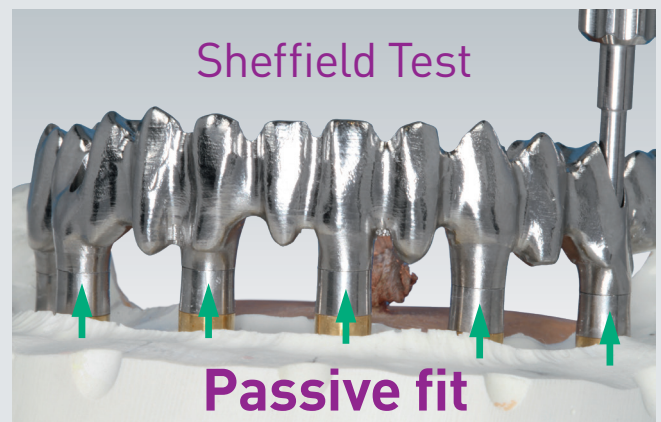


After passivation using SAE spark erosion

Bridge structure - CoCrMo CAD/CAM-milled



Before passivation using SAE spark erosion



After passivation using SAE spark erosion



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