

Forensische Analytik – Klinische Fraktografie

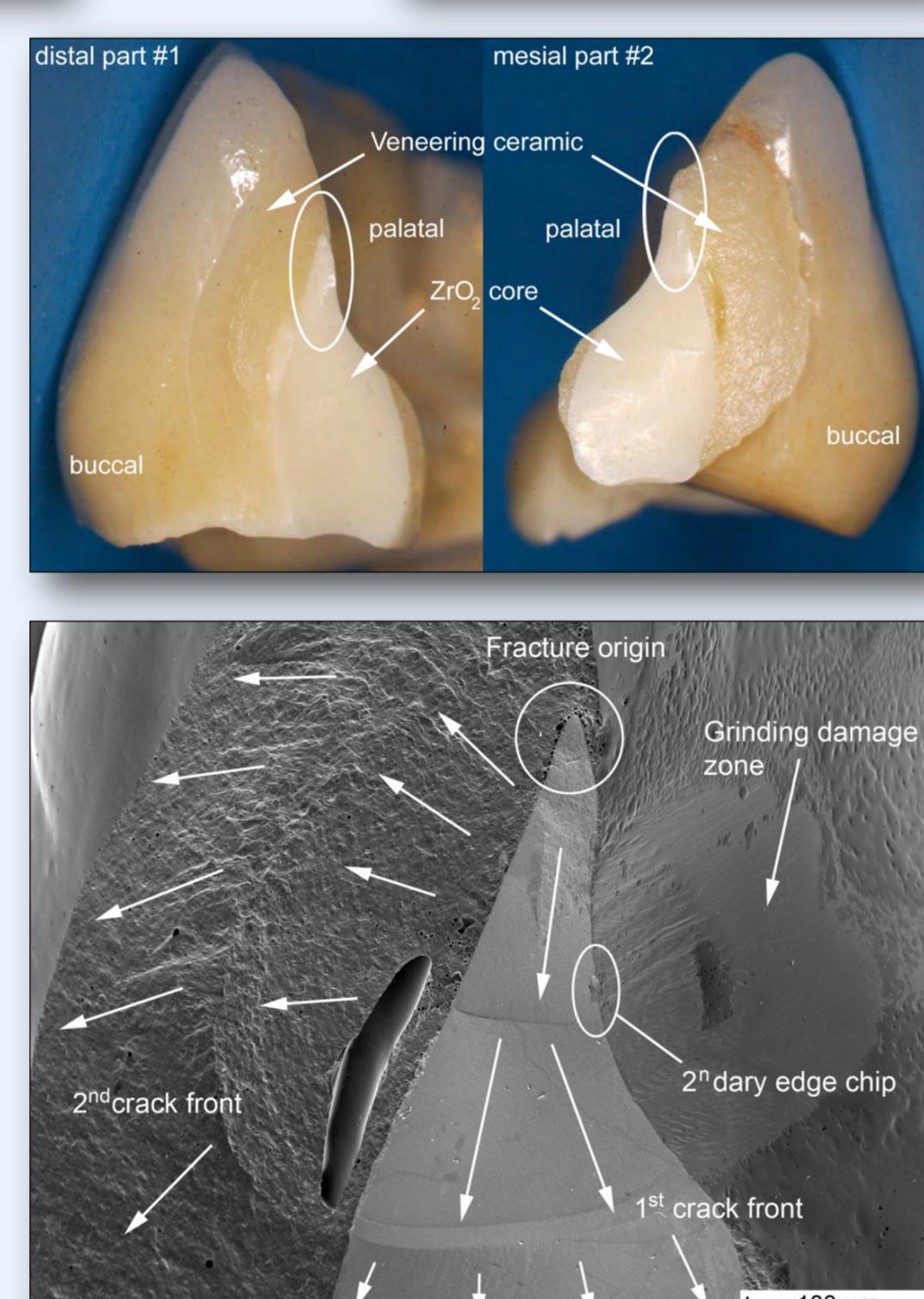
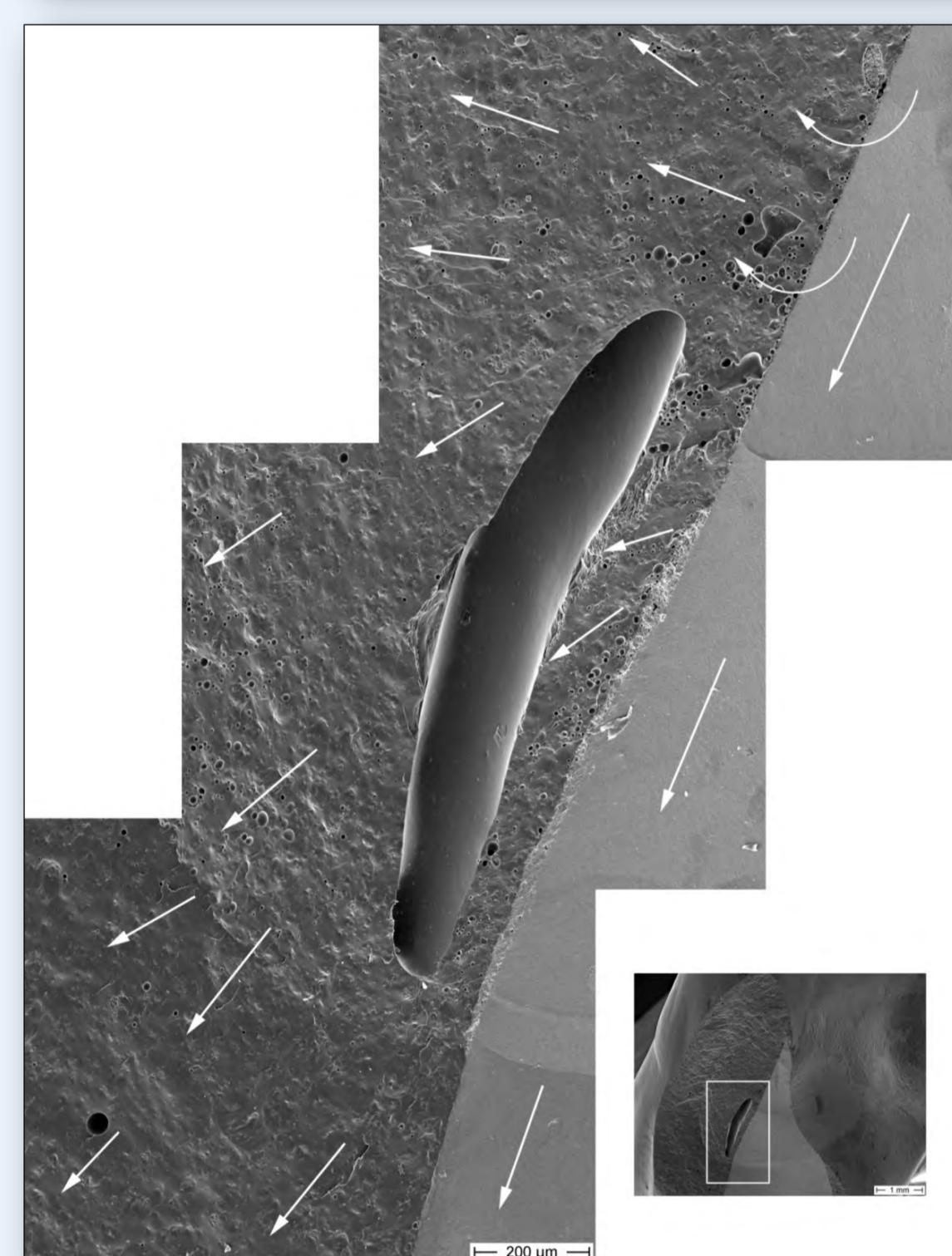
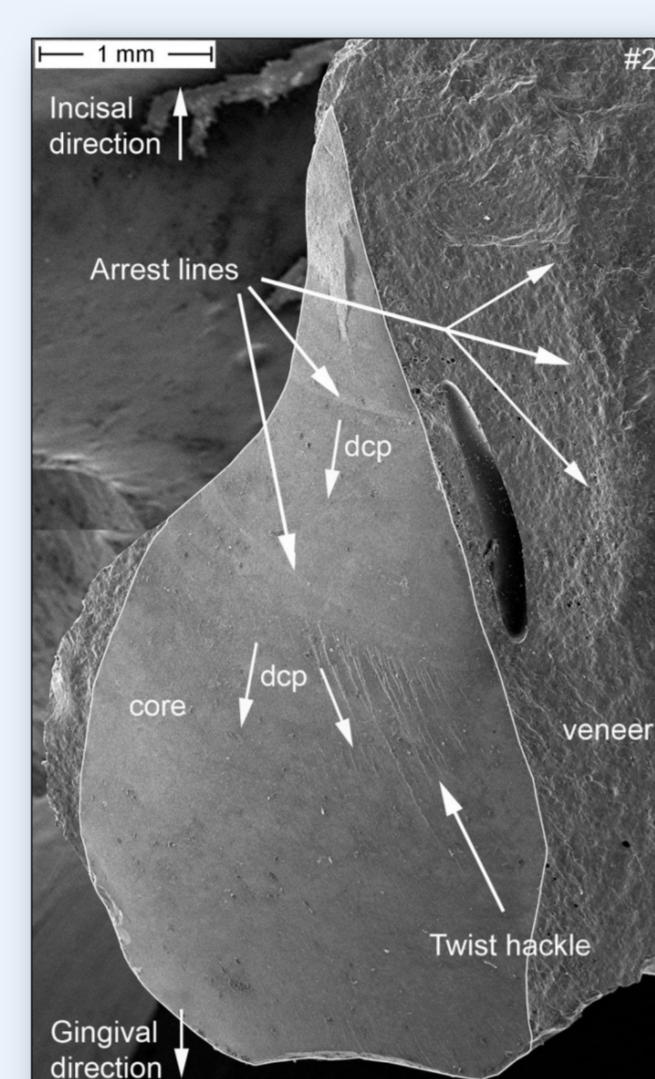
Forensic Analytics – Clinical Fractography

Die Methode der Fraktografie analysiert die Oberflächen gebrochener Bauteile und wird zur Aufklärung relevanter Bruchmechanismen angewandt.

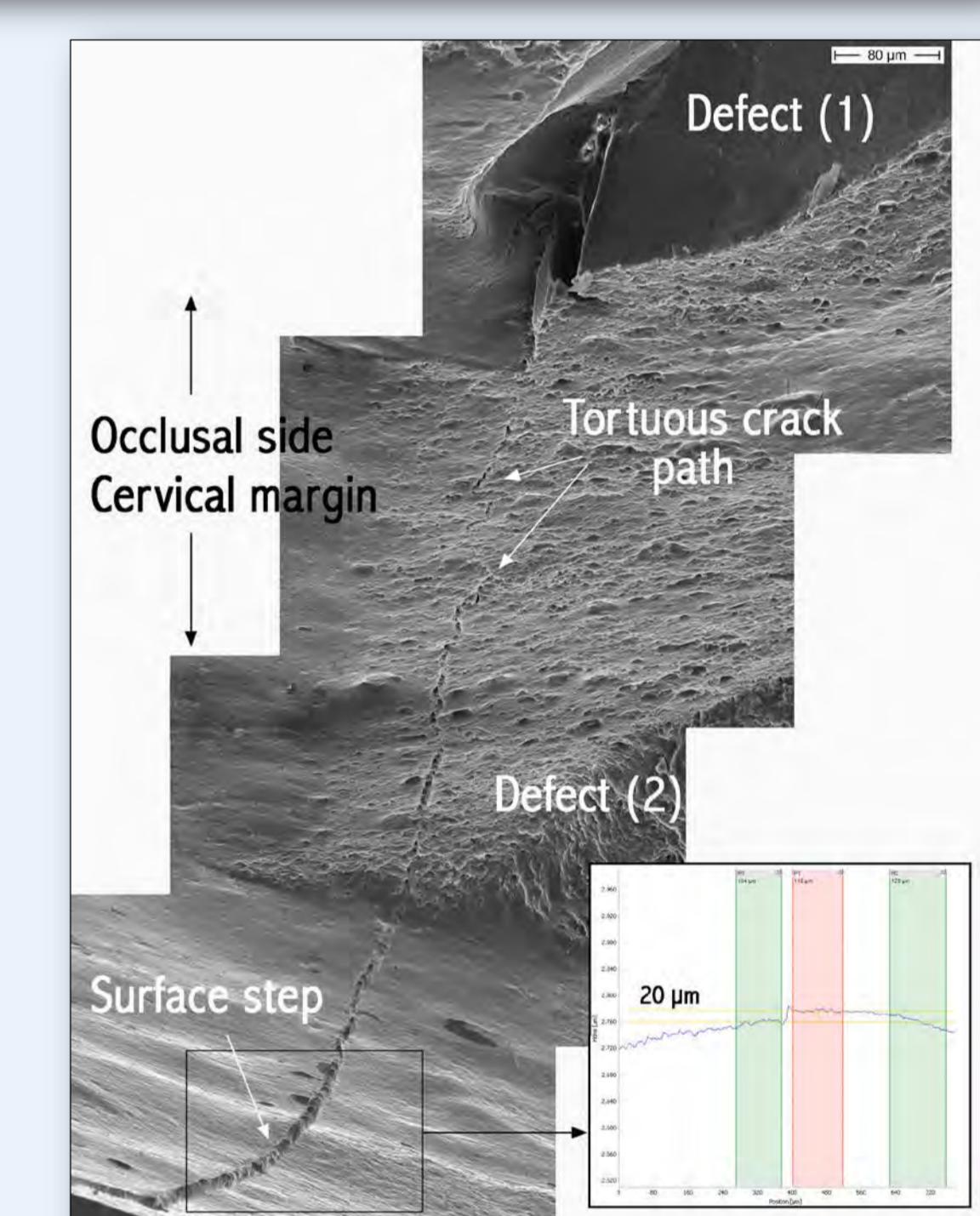
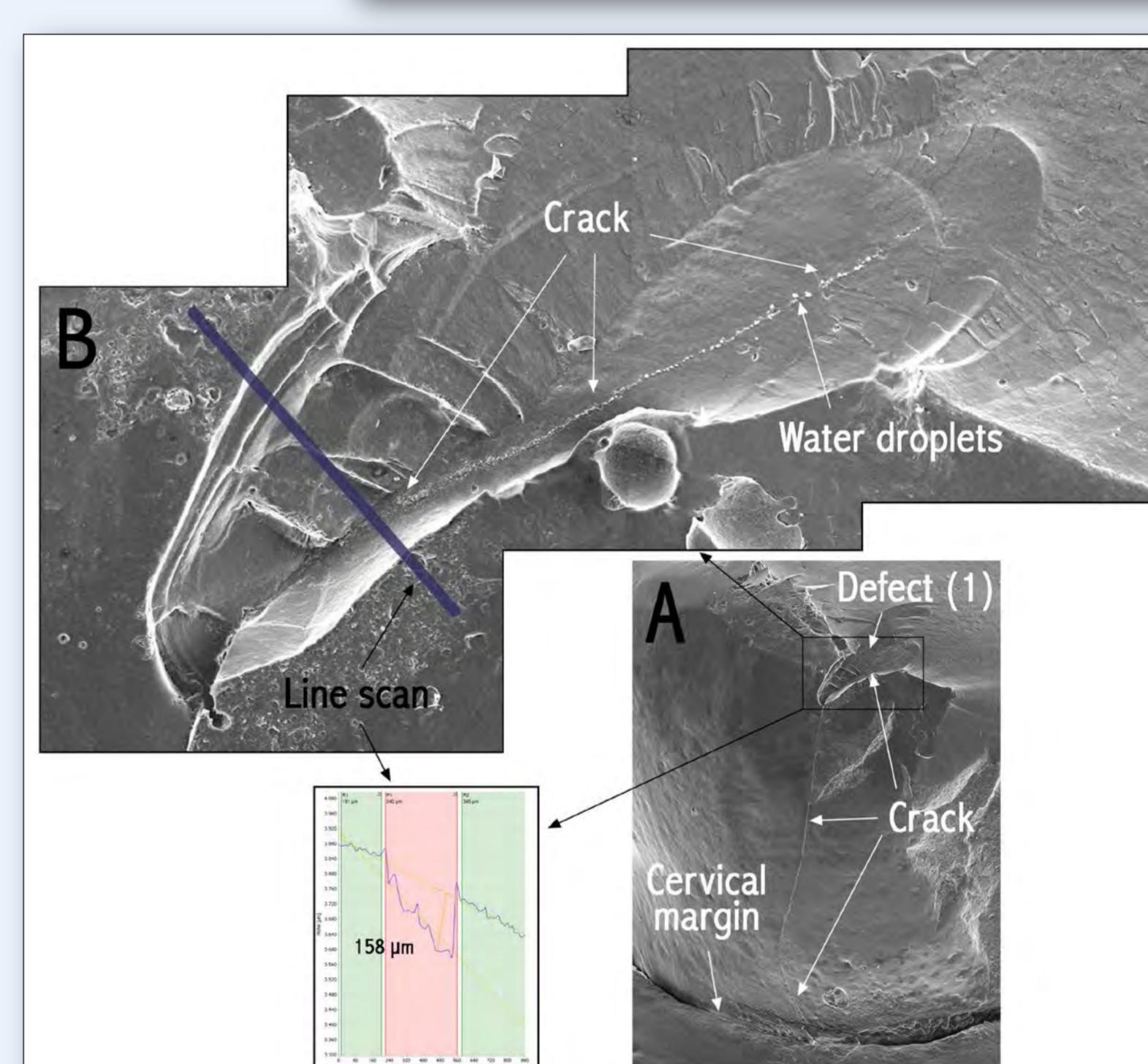
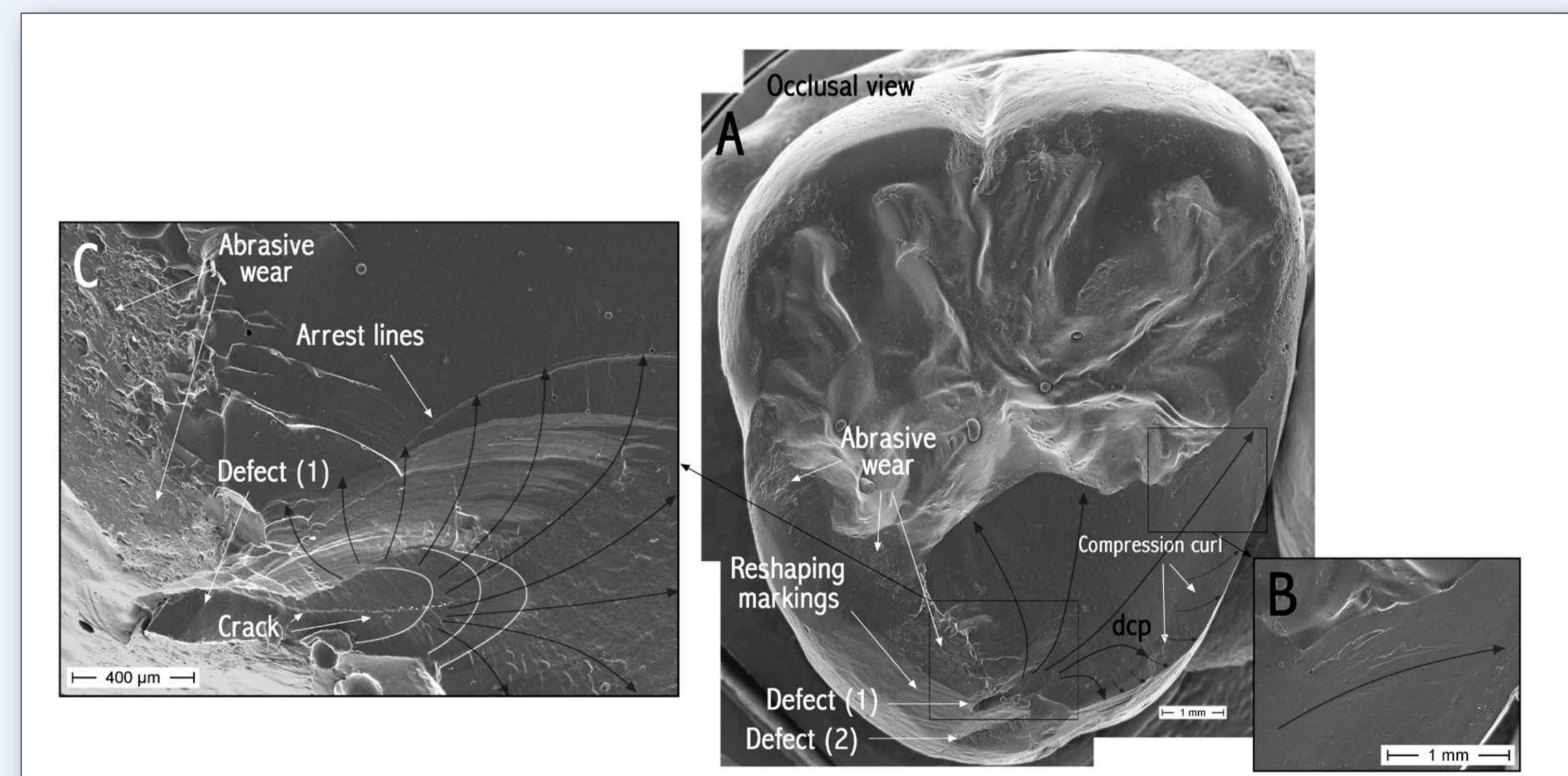
*Fractography is the science of reading fracture surfaces of materials.
Fractographic methods are used to determine the cause of failure in engineering structures.*

Die klinische Fraktografie dient der Ursachenfindung gebrochener Restaurationen mit dem Ausblick verbesserte Design- und Verarbeitungsrichtlinien zu erarbeiten.

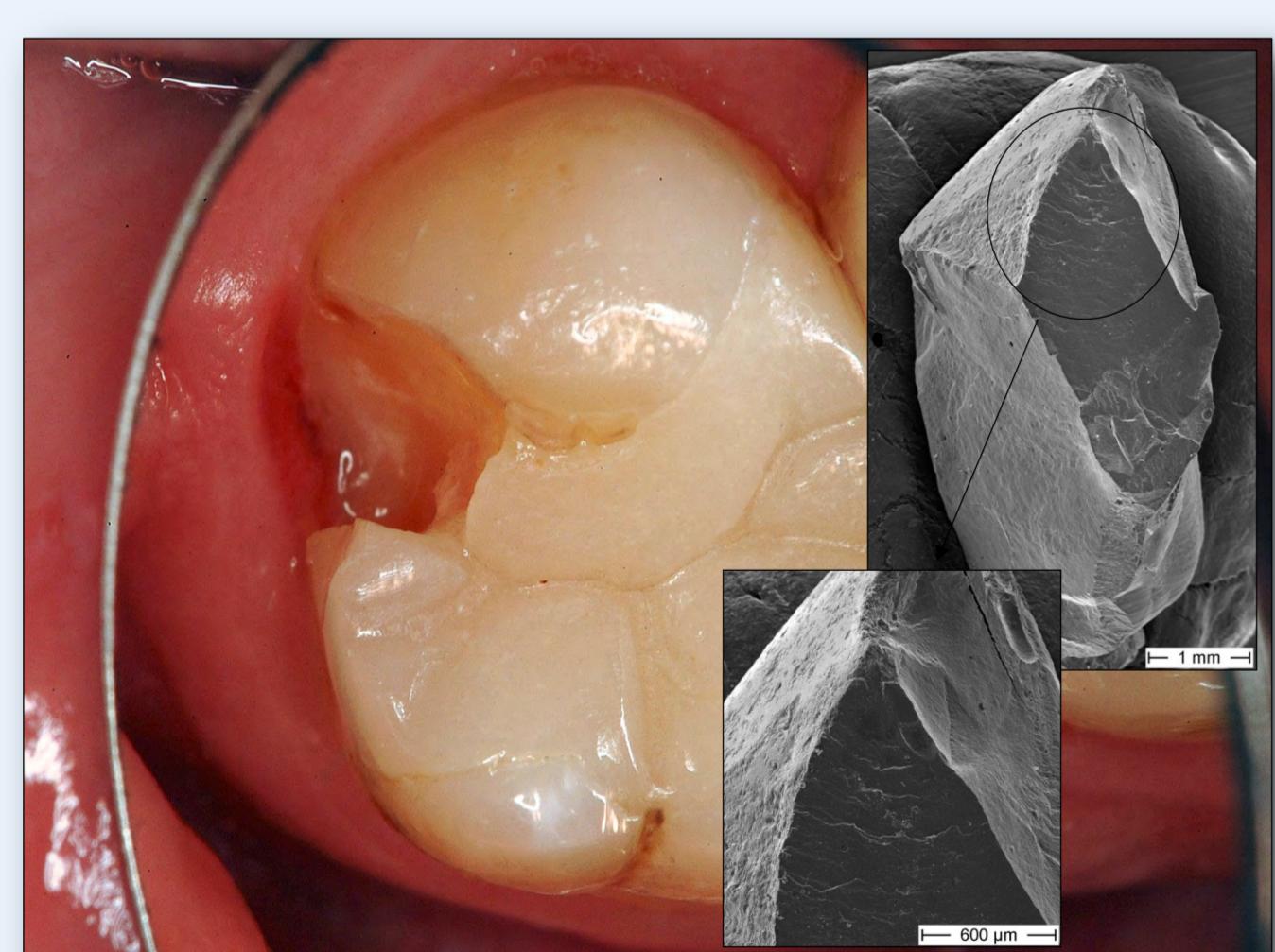
*Clinical Fractography will help to understanding the relevant mechanisms in fractured dental restorations.
Improvement in designing, processing and placement of restorations is expected from the science into fractography.*



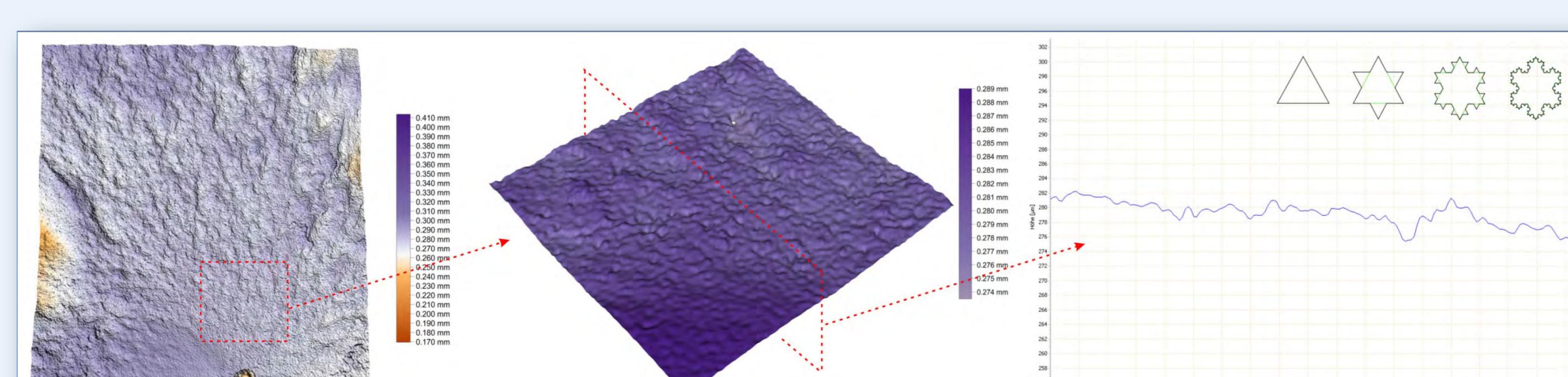
Konktorfraktur einer 5-gliedrigen Vollkeramikbrücke aufgrund von Designfehlern und Nachbearbeitungsschäden
Connector fracture of a 5-unit all-ceramic bridge caused by design issues and post-adjustment damage



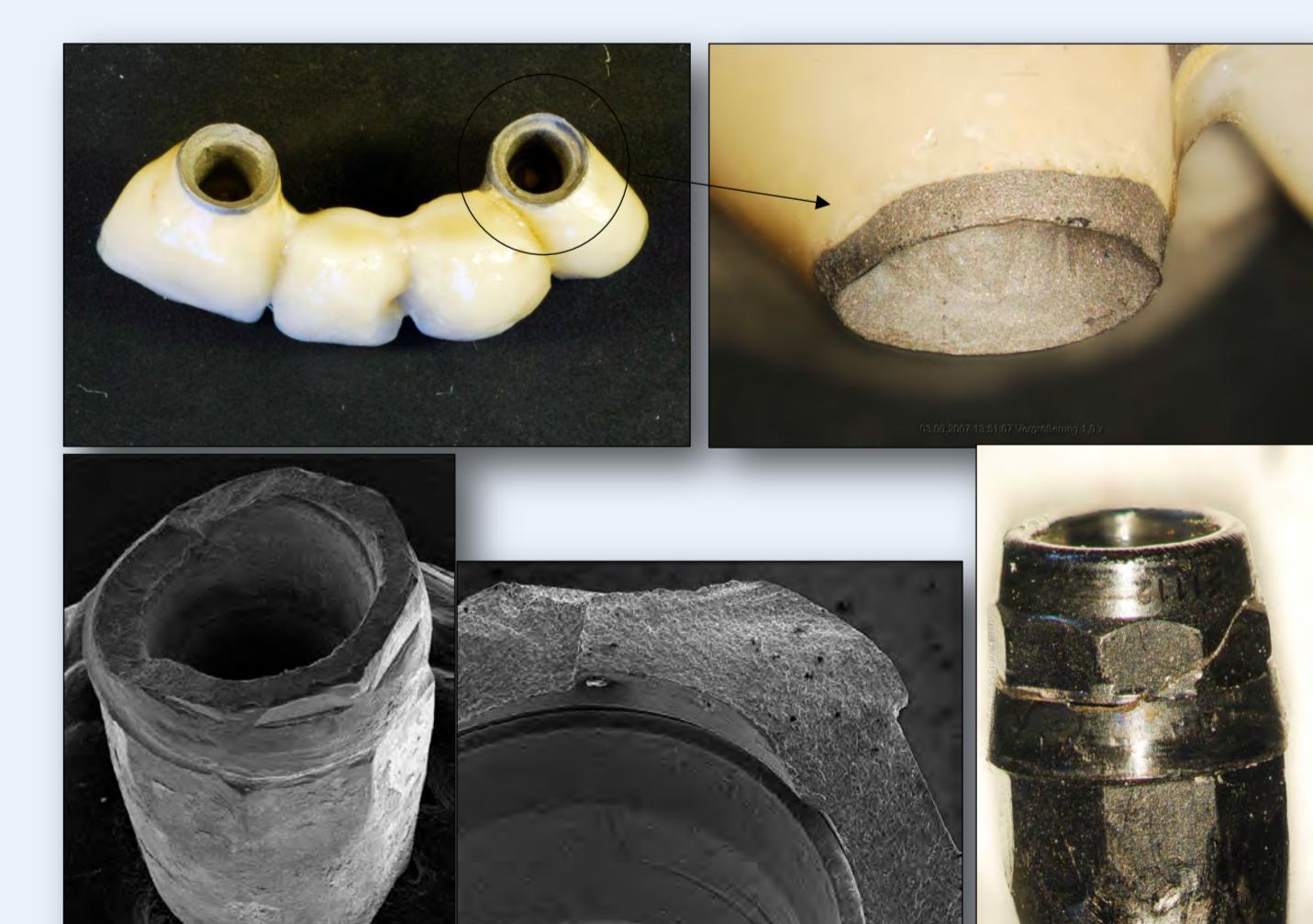
Kronenchipping aufgrund thermische Eigenspannungen
Crown Chipping caused by thermal residual stresses



Typische Restaurationsfraktur eines MOD Inlays
Typical Restoration Fracture of a MOD inlay



Fraktografisches 3D Oberflächenprofil eines Komposit zur Bestimmung der fraktalen Dimension
3D fractographic patterns on a fractured resin composite for approximation of the fractal dimension.



Metallische Implantatfraktur
Metallic Implant Fracture



Typische Isthmusfraktur eines Keramik MOD Inlays
Typical Isthmus Fracture of a ceramic MOD inlay



www.fractography.org



Sinterdefekt
Sintering Defect