

ACCURATELY MADE CERAMIC PROSTHESES REVOLUTIONIZE THE DENTAL CLINICAL SOLUTIONS

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The traditional way of making dental full-ceramic restorations encountered various problems by unavoidably involving many manual operation steps that yielded the inaccuracy, low efficiency and low reliability. The aim of this presentation is to review the status of the clinical application of the monolithic zirconia restorations, particularly a new grade of aesthetic monolithic zirconia restorations that matched well with a full digital workflow, *i.e.* involving, after the tooth preparation, intraoral scanning, digital designing, digitalized net-shape manufacturing of the provisional resin restorations, try-in, 2nd intraoral scanning, and digitalized net-shape manufacturing of monolithic zirconia restorations ready to use without involving any further manual adjustment. Such a full digital workflow may integrate the advantages of the chairside technical support and the centralized manufacture of customized prostheses thus to improve the colour and dimensional accuracy, the precision and fit, the strength and reliability of the restorations, the efficiency of the manufacture and the clinical operation, and further more to generate the possibility for dealing those clinical cases that used to be hard to treat by the conventional approaches. Clinical cases will be shown to illustrate various benefits gained by the application of a new grade of zirconia prostheses known as self-glazed zirconia through a full digital workflow.