

Digital Smile Design

EXPLORING OPPORTUNITIES TO BRING YOU A CONFIDENT SMILE



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Dr. Wright grew up in Westchester, Illinois. He graduated from the University of Illinois Dental School. He is a member of the American Academy of Cosmetic Dentistry, American Dental Association, Illinois Dental Society, Spear Study Club, Digital Smile Design, American Academy of Clear Aligners, and Invisalign Provider. He strives in using the latest technology and education to provide the best dental care, and enjoys continuing education and being on the cutting edge of new technology. Dr. Wright resides in Barrington with his wife, Donna. They have a son, Connor, who is attending Purdue University. In his free time, he enjoys golfing, attending art fairs with his wife, and playing volleyball. He is proud to say he can still jump.

This is an exciting time in dentistry, because patients can now participate in developing a confident smile with new technology. Dentistry is rapidly becoming a profession embracing digital scanning capabilities and emerging software to manage and manipulate the acquired images—permitting extraordinary exploration of potential treatment options.

Digital scanning produces an amazingly accurate representation of the dental structures capturing both teeth and supporting tissues.

Digital Smile Design (DSD) is the software that takes the digital scan and merges it with the patient's face. The scan and image are calibrated to sync accurately, permitting the dentist/smile designer to envision potential restorative options. These options can be reviewed by the patient, lab technician, and dentist. This allows the patient an opportunity to express their desires in the process of change. A before and after image is produced and shared, communicating the improvements with the patient. This is the initial 2D representation that starts the process!

A video is taken of the patient to capture them engaging in conversation and allows the analysis of facial movements of the lips and surrounding soft tissues. Next, I bring this collected information to the

ceramist, who then personalizes the case in its design and fabrication.

The next step is the indexed design which can be used to initiate the fabrication of a "trial smile." This accurate laser-printed model can be used to create a prototype for placement in the mouth, framed by the patient's lips. Further video evaluation of the trial smile in place highlights the interaction and harmony of the proposed restorations, permitting refinements and enhancements. This the beginning of the 3D representation.

Once the approval of the concept is achieved, accurate planning based on the digital proposal can begin in earnest. Using modalities like Invisalign (to move teeth into favorable positions) and guided tissue placement (to create harmonious pink tissue frame) treatment results can be accurately controlled. Once again these are digitally conceived and implemented procedures that possess an accuracy heretofore unachievable in the non-digital analog world.

The DSD Apple based software has several components that are evolving rapidly, guided by its originator Dr. Christian Coachman, a true visionary of this process. This is an exciting time for people who want to improve their smile!

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A SPECIAL OFFER FOR YOU

Dr. Wright is highly-trained in DSD technology to help you achieve your best smile. Make the call you deserve today for this unique opportunity! Mention this QB article and receive a Free Scan.

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