Dr. Andrew C. Johnson

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Diplomate, American Board of Prosthodontics
Fellow, American College of Prosthodontics
Member, American Academy of Restorative Dentistry

Dr. Andrew C. Johnson completed his general dental
and prosthodontic training at the University of Memphis and now practices in Northwest, AR. Along with his specialist certificate, Dr. Johnson earned a post-doctoral master's degree in dental science researching CAD/CAM restorative techniques and emerging digital dental materials.

He maintains certifications by both the American Board of Prosthodontics and the National Board for Dental Laboratory Technology and remains active in dental academics as adjunct faculty with the UTHSC Advanced Prosthodontics Program. Dr. Johnson has been published in multiple dental journals and lectures on a variety of technological developments in dentistry. He consults for a wide range of clinicians, suppliers, educators, manufacturers as a thought leader in dental technology integrations.

As a board-certified surgical prosthodontist and digital laboratory technician, his expertise centers around complex implant and prosthetic reconstruction—from digital diagnostic imaging, virtual treatment planning, and computer-guided surgery, to digital prosthesis design, production workflow and long-term complication management. However, now that he devotes equal time to testing, teaching, and directly developing dental technologies, his broader professional interests include clinical process scaling, provider calibration, and industry mindset disruption.

Title: **The Next 25 Years of Digital Dentistry:** *from Substitution to Revolution*

While digital dental technologies have been evolving for decades—from 3D imaging to CAD/CAM to AI—the increasing pace at which these innovations develop is as exciting as it is intimidating. Our profession has spent the first quarter of this new century widely adopting “digital dentistry". We have successfully substituted practice management software for paper charts, digital sensors for X-ray films, milled ceramic for PFMs, intraoral scanners for impressions. With the modern foundation now in place, the next generation can build upon it. The more recent introduction of chairside 3D printing, AI automation and remote digital design services have introduced more productive capabilities than ever before, yet it’s when we blend these technologies with creative practicality that we see the combined value of all these gadgets go well beyond any individual ROI. From geriatrics to pediatrics, this presentation covers many contemporary technologies and a wide range of modern materials and innovative treatment modalities. However, the real lesson is in making them simple, sensible, and systematic enough for everyday dentistry so that the next digital revolution can begin.

Learning objectives:

- Review the historical perspective as well as the modern alternatives to every day dental procedures
- Learn how to repurpose existing technologies and techniques to suit the digital age
- Appreciate how modern technologies are reshaping treatment approaches and patient-experiences