

# Q&A with Joyce Moore on Magnification and PPE

*At Palmero Healthcare, we work to protect the eyes of dental professionals and their patients from the effects of UV and Blue-Violet Light, high impact flying projectiles, and splash and splatter for infection control. By offering a wide array of products which are certified to provide optimal clarity and comfort, to ensure eye conservation program compliance.*

*Joyce Moore, RDH, BSDH, is a clinical instructor in the Department of Dental Hygiene at Bristol Community College in Fall River, Massachusetts. Her areas of interest include providing care to older adults and infection prevention and control, specifically instrument reprocessing and sterilization.*

## **Q: What are the benefits that magnification provides in a clinical dental setting?**

**Joyce Moore:** As a practicing clinician and dental hygiene educator, I've seen first-hand the benefits of using magnification. The dental profession provides daily physical challenges that put clinicians at risk. Repetitive neck, back and shoulder strain and unnatural body positioning can cause musculoskeletal injury and potential disability. Magnification use allows a clinician to have better overall working posture, and a comfortable working position has been shown to increase both stamina and productivity. Eye strain is reduced by magnification, allowing the user to see detail more clearly and render treatment that is done with greater precision. All of these benefits translate into better patient care and increased career longevity.

## **Q: What are some of the options to consider when selecting magnification?**

**Joyce Moore:** It is important to know that all protective eyewear must meet industry standards that comply with OSHA regulations and consider CDC guidance. OSHA has adopted the ANSI Z87.1 standard to protect us from eye injuries that occur every day at U.S. workplaces due to flying debris and projectiles. Be sure that your eye protection is certified to meet these standards.



**ProVision® Econo Loupes Ref# 3780B, 3780C, 3780D**

There are many options to consider when selecting magnification, including loupes and safety eyewear with magnification. Several types of loupes are available and include through-the-lens (TTL) and flip-up loupes. TTL loupes have the scope embedded in their lenses and require very specific measurements that are unique to the single user. Once they are made, they cannot be adjusted. Flip-up loupes are mounted on a hinge on the frame which allows the user to adjust them, but they are heavier than TTL. There are a broad range of magnification strengths, companies, styles and options at a broad range of price points.

For clinicians like myself, who's had eyewear prescriptions change over the years, a great choice is safety eyewear with magnifying lenses, like Palmero Econo Loupes. These offer a lightweight, lower-cost alternative to traditional loupes. They increase visual precision while reducing eye strain and offer a 50 mm diameter-magnifying lens for a fully-enhanced clinical field. In addition, different strengths (+1.5, +2.0 and +2.5) are available. Eyewear that are lightweight, have excellent clarity, and a comfortable fit are ideal to ensure consistent use. The ability to block UVA and UVB rays, anti-fog coatings, scratch resistant technologies and lens design may also be considered.

## ***Q: How does one ensure CDC guidelines for spray and splatter protection are adhered to with loupes?***

**Joyce Moore:** Disposable or reusable face shields may be used to cover and protect loupes. Ideally, eyewear should have side shields that reduce the ability of debris to get in the eyes via the side of the lens.

## ***Q: What are the steps for proper cleaning and disinfection of safety eyewear and magnification?***

**Joyce Moore:** All eyewear is subject to splash and splatter exposure during use and will need routine cleaning. Washing with soap and water may be one method. However, CDC guidelines recommend that a visibly soiled item should be cleaned first and then disinfected with an EPA-registered hospital disinfectant. When choosing protective eyewear, one should read the manufacturer's instructions for use to make sure the product can be appropriately cleaned and disinfected.

Dental professionals work to provide the best clinical results. This begins by getting clear and thorough information prior to treating a patient. Protective eyewear with magnification helps us see our best, which is important for both diagnosis and treatment!

***We want to thank Joyce Moore for answering our questions, and we invite you to evaluate our innovation magnification and PPE solutions.***

### **Author**



**Joyce A. Moore**  
RDH, BSDH, CRCST

**Joyce A. Moore**, RDH, BSDH, CRCST is an experienced dental hygienist who holds current licenses in Massachusetts and Rhode Island. As a clinical instructor of dental hygiene at Bristol Community College in Fall River, Massachusetts, she works closely with hygiene students and is an opinion leader on provider and patient safety policies. She applies her expertise in infection prevention and compliance as the owner of Compass Dental Safety by helping dental offices follow regulations and best practices. Working with a community health center created a greater interest in hospital-based sterilization, culminating in her becoming an internationally recognized Certified Registered Central Service Technician (CRCST) through IAHSCMM. Working as a clinical educator on sterilization practices for a medical device manufacturer, has led her to work with multiple national hospital systems. Joyce is a speaker at local and national conferences and continuing education programs, and was a presenter at this year's Organization for Safety, Asepsis and Prevention (OSAP) Infection Control Boot Camp. She contributes articles to newsletters and peer reviewed journals and is an active member of many associations, most recently serving on the 2019 OSAP Annual Conference Planning Committee. Mrs. Moore received her Bachelor of Science in Dental Hygiene degree from the Massachusetts College of Pharmacy and Health Sciences in Boston, Massachusetts. She is currently a student at Johns Hopkins University working towards a Masters of Applied Science degree in Patient Safety and Healthcare Quality.



**Karen L. Neiner**  
RDH, BSDH, MBA

**Karen Leigh Neiner**, RDH BSDH MBA, has been with Hu-Friedy Manufacturing Co. LLC for over 25 years. She is currently serving as Vice President of Corporate Development and Professional Relations, where she has increased sales through acquisition and new category introductions. In addition, she is currently President of Palmero Healthcare, Hu-Friedy's most recent acquisition. She developed Hu-Friedy's new product stage gate process and created the 45,000-member Friends of Hu-Friedy social media program to provide the dental community with continuing education and professional development support.



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