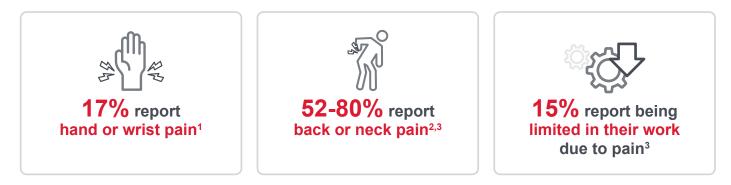


Improper ergonomics and long surgery days may lead to ophthalmologists experiencing high rates of musculoskeletal pain<sup>1-3</sup>



# Limited adjustability of surgical equipment is a risk factor for musculoskeletal stress<sup>4</sup>

Equipment		Risk of Injury
Handpiece		Repetitive motion with a bent wrist can lead to hand and wrist pain, and carpal tunnel syndrome <sup>4</sup>
Foot Pedal	$\Rightarrow$	Angling the thighs toward the floor while sitting can place stress on the lower back <sup>4</sup>
Monitor	$\Rightarrow$	Tilting the head can place stress on the neck and shoulders⁴

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VERITAS<sup>™</sup> is the next-generation phacoemulsification system with a surgeon-centered ergonomic design and ease of use

The VERITAS<sup>™</sup> Vision System delivers industry first swivel phaco handpiece that is ergonomically designed for surgeon comfort



The VERITAS<sup>™</sup> Swivel Handpiece with up to 220° rotation for ease of maneuvering and surgeon comfort, resulting in less fatigue<sup>5,6,\*</sup>



Soft, flexible, light-weight Advanced Tubing System for ease of handling and maneuverability<sup>7,\*</sup>



Overall surgeon rating of satisfaction for the VERITAS<sup>™</sup> Swivel Handpiece<sup>8,†</sup>

## **VERITAS<sup>™</sup>** ergonomic features enhance user experience



Foot pedal with 11° of total treadle travel and reduced switch actuation force<sup>‡</sup> for comfortable phaco procedures<sup>5,9,\*</sup>



Metal foot loop for ease of equipment repositioning<sup>7</sup>



19" touch monitor with 15° of tilt and 40° of side-to-side rotation for ease of viewing<sup>6</sup>



Enhanced user interface for ease of access to menus and case information<sup>5</sup>

\*Human Factors Evaluation was completed by 13 surgeons conducting two simulated cataract surgeries using the VERITAS<sup>™</sup> Vision System. Results: 85% or 11/13 responded '*experience no hand fatigue after using swivel handpiece*'; 100% or 13/13 responded '*swivel handpiece and advanced tubing allowed for comfortable phaco procedures*'; 100% or 13/13 responded '*foot feels fresh (not fatigued) after using foot peda*'. <sup>1</sup>The mean rating from two surgeons after completing 50 cataract surgeries using the VERITAS<sup>™</sup> Vision System. <sup>1</sup>A like the function of 0, cataract surgeries using the VERITAS<sup>™</sup> Vision System.

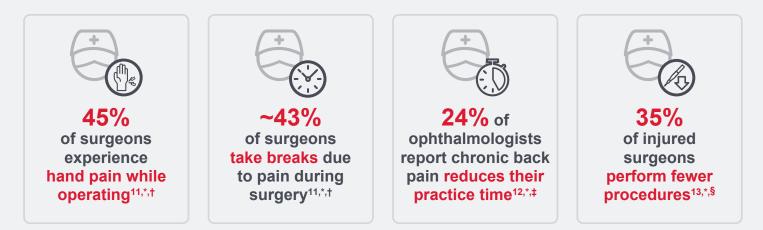
A Likert scale of 1 to 5 was used (1–unsatisfied, 2–somewhat unsatisfied, 3–neither satisfied nor unsatisfied, 4–satisfied, and 5–very satisfied). ‡Results from right and left switch actuation force measured compared to competitor foot pedal metrics. The treadle angle was also reduced by more than 50% at rest and

by 1° when fully pressed compared to the Advanced Linear Pedal (ALP).

Ergonomics has gained increasing recognition as an integral component of career longevity in ophthalmology<sup>10</sup>

Improved ergonomics may increase surgical volumes

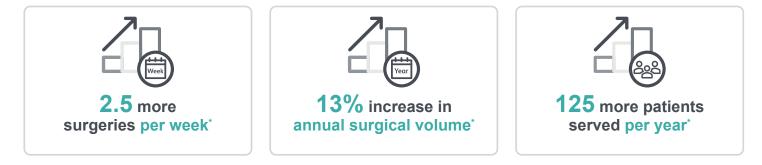
### Musculoskeletal pain from improper ergonomics can lead to reduced productivity



\*Results from subjective questionnaires completed by surgeons and/or ophthalmologists with varying years of surgical experience; †n = 77; ‡n = 651; §n = 260.

Improvements in ergonomics can lead to improved surgeon well-being and provide an opportunity for facilities to serve more patients

Gained productivity for each operating room may result in:



\*Assumes 1 hour of gained productivity per week for one operating room (OR), an average duration of patient cataract surgery is 24 minutes per OR,<sup>14</sup> and a surgical volume of 1,000 surgeries/year per OR.

The VERITAS<sup>™</sup> Vision System delivers surgeon-centered ergonomics for comfort and ease of use

# **References and Important Safety Information**

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