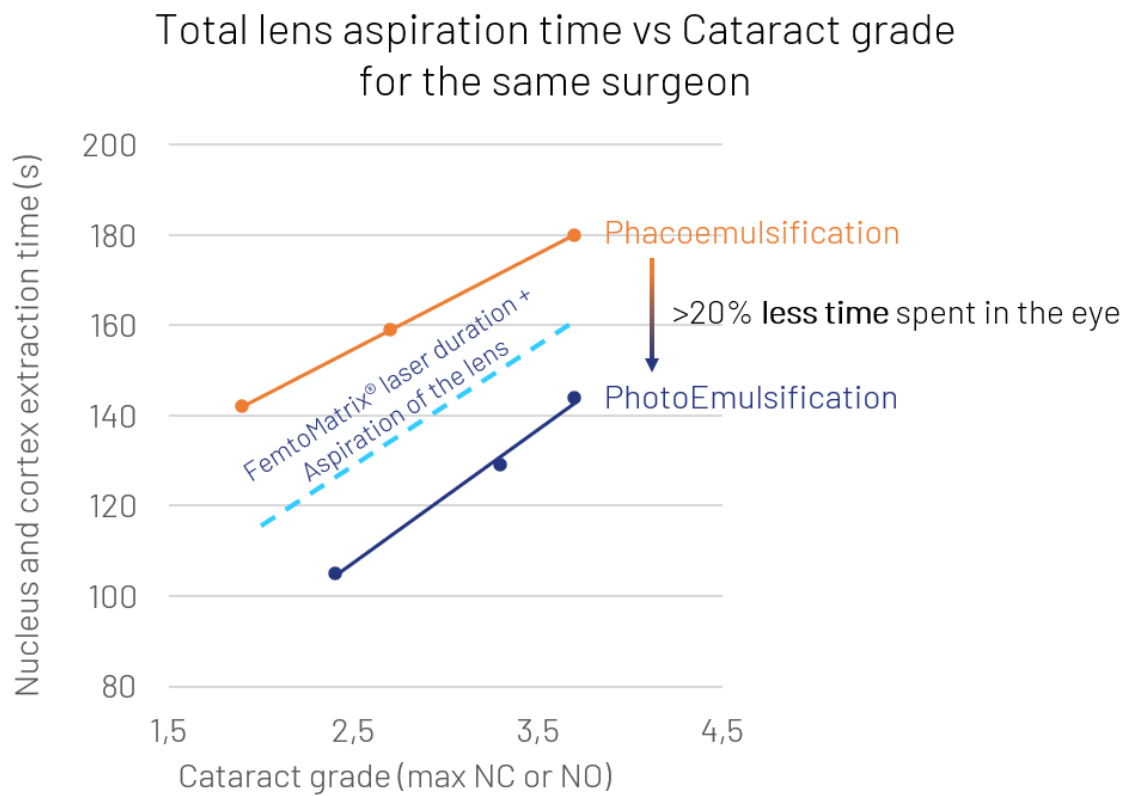


Less Time in the eye: PhotoEmulsification® faster than Phaco



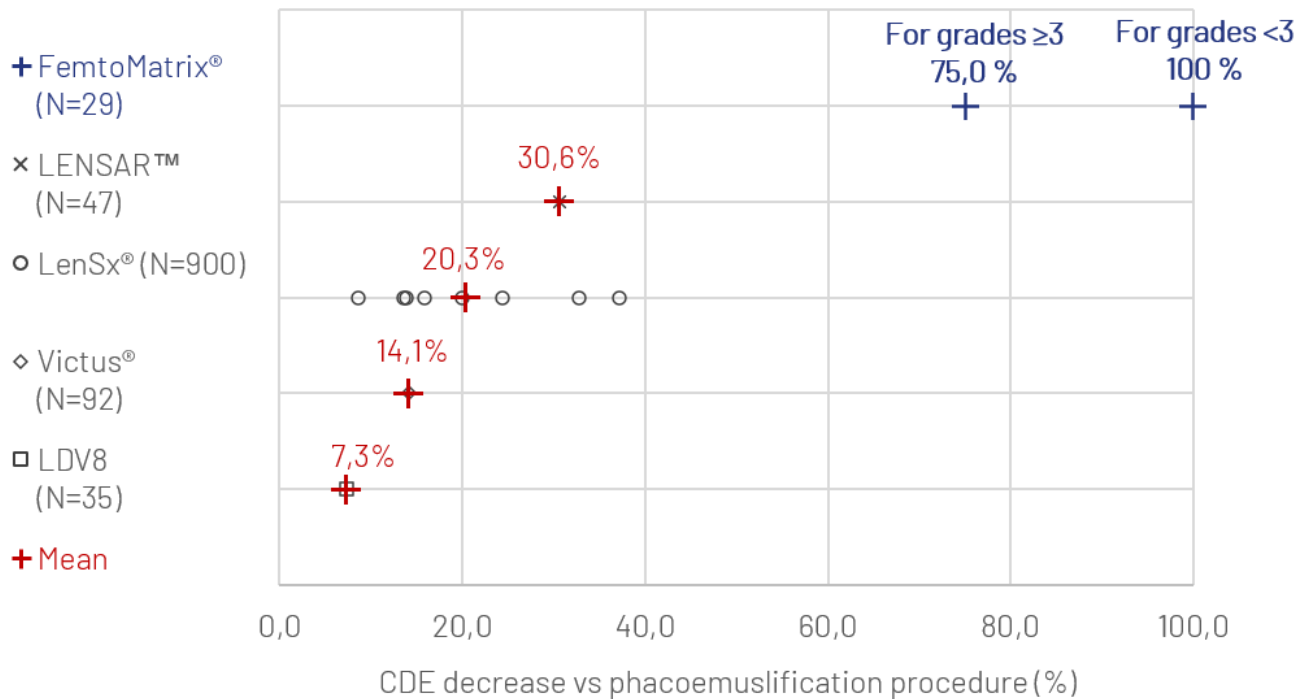
- **Orange line:** Phaco procedure time = total time for applying ultrasound and aspirating the lens
- **Blue line:** The FemtoMatrix® time to aspirate the photoemulsified lens
- **Light blue line:** This includes the laser photoemulsification time, still less than phaco
 - ⇒ 20% **less** time spent in the eye
 - ⇒ Less total lens treatment time vs phacoemulsification
- **LESS** Time
- **MORE** Efficiency
- **MORE** patient comfort
- **MORE** surgeon confidence

Sources:

- Keranova clinical studies (2022-2023), Gemini Eye Clinic (Czech Republic), Dr. STODULKA

Less Energy in the eye: Less ultrasound used vs current systems

Cumulative Dissipated Energy (CDE) Decrease
Femto vs Phaco procedure



- FemtoMatrix® leads to 2.5 to 10 times reduction in CDE compared to current systems*
- Zero phaco (CDE<0,1s) in grades below 3
- 75% CDE reduction for grades 3 and above
- LESS Energy
- MORE surgeon confidence
- MORE Patient comfort
- MORE Surgeon confidence

Sources:

- Kolb, C.M., Shajari, M., Mathys, L., Herrmann, E., Petermann, K., Mayer, W.J., Priglinger, S., and Kohnen, T. (2020). Comparison of femtosecond laser-assisted cataract surgery and conventional cataract surgery: a meta-analysis and systematic review. J Cataract Refract Surg 46, 1075-1085. 10.1097/j.jcrs.0000000000000228.
- Keranova clinical studies (2022-2023), Gemini Eye Clinic (Czech Republic), Dr. STODULKA