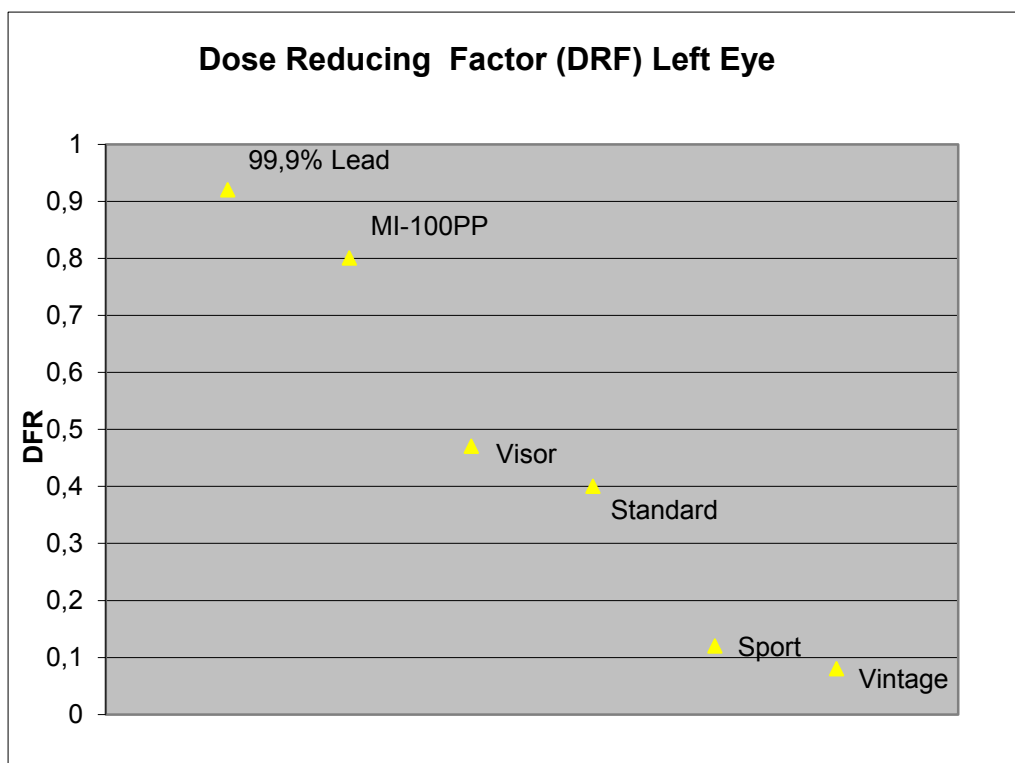


MI-100PP X-Ray Glasses with superior shielding results!

The *European Journal of Medical Physics* has published a study, which is “**Addressing the efficiency of X-ray protective eyewear: A Proposal for the introduction of a new comprehensive parameter, the Eye Protection Effectiveness (EPE). (2020)***” The highlight of the study was:

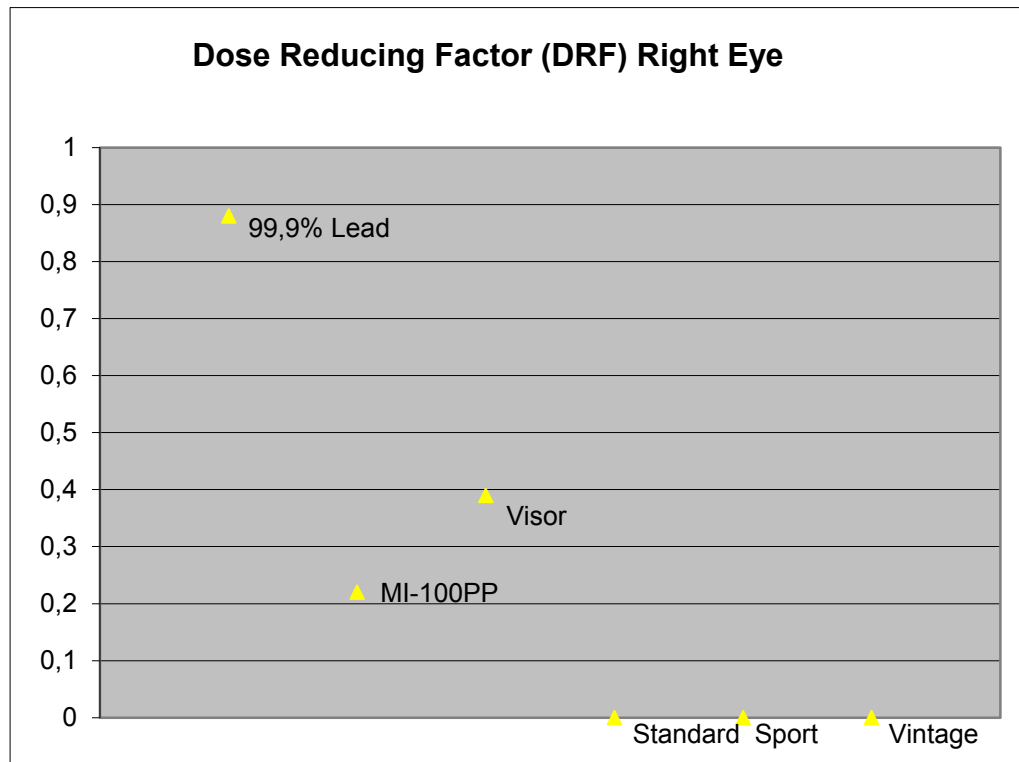
- Characterization of eye lens X-ray protection efficacy of different eyewear models.
- Study of the influence of eyewear shape and ergonomics.
- Combination of dosimetry measurements and geometrical modeling.
- Introduction of the concept of Eye Protection Effectiveness, an “a priori” evaluation of the Dose Reducing Factor.

The MI-100PP was tested with the same set-up as various other eye protection glasses on the market. Here we see the results of the Dose Reducing Factor (DRF) on the left eye.



**Physica Medica* 70 (2020) 216–223 Addressing the efficiency of X-ray protective eyewear: Proposal for the introduction of a new comprehensive parameter, the Eye Protection Effectiveness (EPE)
S. Doria, L. Fedeli, L. Redapi, S. Piffer, F. Rossi, A. Falivene, S. Busoni, G. Belli, C. Gori, A. Taddeucci,

Here we see the results of the Dose Reducing Factor (DRF) on the right eye.



For the models standard, sport, vintage, no significant differences were found in right lens exposure with or w/o eye glasses.

The results strongly demonstrate that the MI-100PP glasses reduce the eye exposure on the left eye from radiation up to 70% compared to other x-ray protection glasses. The MI-100PP offers reducing radiation on the right eye while the other x-ray protection glasses miss any significant reduction.



Image: MI-100PP

To further understand what types of glasses have been tested, please see below examples on so-called Standard, Sport, and Vintage x-ray protection glasses.

Example of a **Standard** Model: Front and Side Protection



Example of a **Sport** Model: Front and Side Protection



Example of a **Vintage** Model: Front Protection



Example of a **Visor**



Medical Index MI-Mask01

Medical Index is strongly dedicated to provide protection to one of our most sensitive and important organs – our eyes!

You have questions on the MI-100PP?

Please talk to our local distributor or representative and we look forward to protect your eyes!



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