

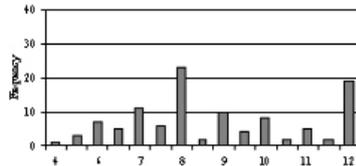
# ARTISAN® Hyperopia PIOL | Retrospective Study

At the end of 1999 OPHTEC BV invited a small group of surgeons to send their results with the ARTISAN® Hyperopia lens. Three surgeons sent the postoperative results of 140 implantations. The results of 127 eyes were suitable for further analysis. Data reported at day 0 (n=127), 3-6 months (n=71) and at 1 year (n=25)

## Age / Gender

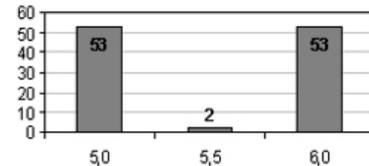
Age (yrs)	Mean	33.5
	Range	18 - 59
Gender	Male	52%
	Female	48%

## Implantation Power



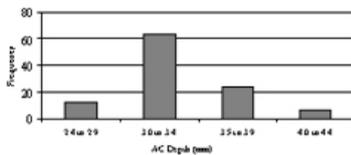
Mean implant power: +8.8

## Incision Size



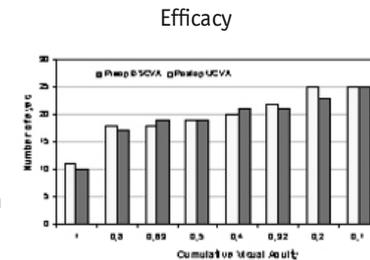
Mean incision size: 5.5mm

## Anterior Chamber Depth



NB! Critical distance between the endothelium and PIOL should be at least 1.0 mm)

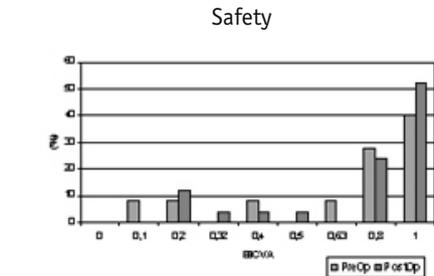
## Pre-Op BSCVA vs Post-Op UCVA (1 year)



Mean preop BSCVA : 0.52 (± 0.31)

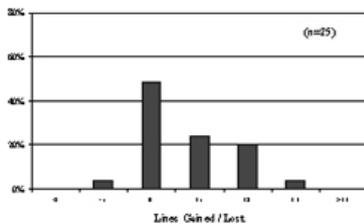
Mean postop UCVA : 0.65 (± 0.31)

## Post-Op vs Pre-Op BSCVA (1 year)



Mean postop BSCVA : 0.70 (± 0.29)

## Lines of BSCVA Gained / Lost (1 year)



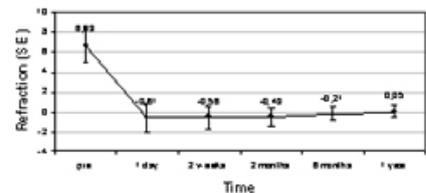
96% retained the same VA or gained 1 line or more after 1 year.  
No eyes lost more than 1 line of BSCVA

## Safety and Efficacy Index (6 months and 1 year)

**Safety**  
Ratio mean BSCVA postop vs mean BSCVA preop:  
6 months: 123%  
1 year: 123%

**Efficacy**  
Ratio mean UCVA postop vs mean BSCVA preop:  
6 months: 101%  
1 year: 117%

## Stability



## Adverse Events Reported

- Secondary Surgical Intervention: 4 cases
  - New suture: 2 cases
  - Iridectomy: 1 case
  - Other: 1 case
- Hypopyon: 1 case (resolved without complication)

## Complications

- | Complications            | Eyes |
|--------------------------|------|
| Glare/Halo rings         | 7    |
| Iris Atrophy             | 9*   |
| Pigment Precipitates     | 3    |
| Non pigment precipitates | 2    |

\* All from one surgeon

One remarkable aspect of the implantation of Phakic IOLs is the halo and glare effects during night driving. These are mostly related to the large pupils in young people.