

# Translating evidence into contemporary Oculoprosthetic practice

**10-years comparative study based on 82 patients between solid (heavy) and new Light-Weight hollow prosthesis reinforced with glycol dimethacrylate (a cross-linking monomer) for large ocular sockets**

## **99.5% Monomer Free Prosthesis**

Bio-incompatible residual monomers removed through specialized heat activated polymerization

## **Molecular Construction**

- Non-porous and highly compact as compared to conventional prosthesis.

## **Biocompatibility**

- Absolutely inert
- Conjunctiva friendly
- No allergic reaction
- Good moistening properties by tear fluid (hydrophilic)

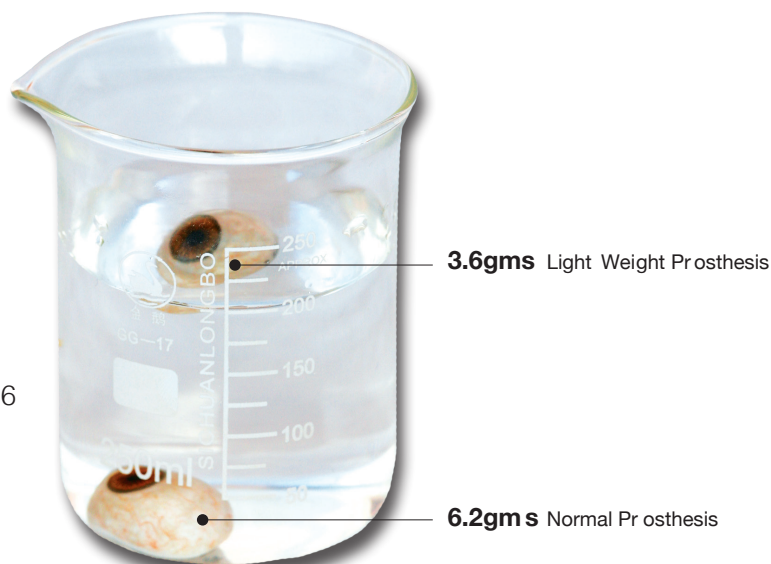
## **Surface Characteristics**

- Non-absorbent
- No offensive smell
- Extremely smooth
- Glistening effect
- Greater resistance to minute surface cracking

Considering above features this study was conducted. It started from July 2006 and is ongoing. The study shows that LW prosthesis has the following significant advantages as compared to solid (heavy) prosthesis:-

## **Results**

- Increased mobility 10-15%
- 20-64% reduced weight trauma
- High mechanical stability
- 30-180 days continuous wearing duration
- Negligible discharge
- No inflammation of socket
- Less chances of prosthesis related complications of the socket over long term use.
- Less chances of increasing prosthesis size in pediatrics age group.



***Same volume Prosthesis***

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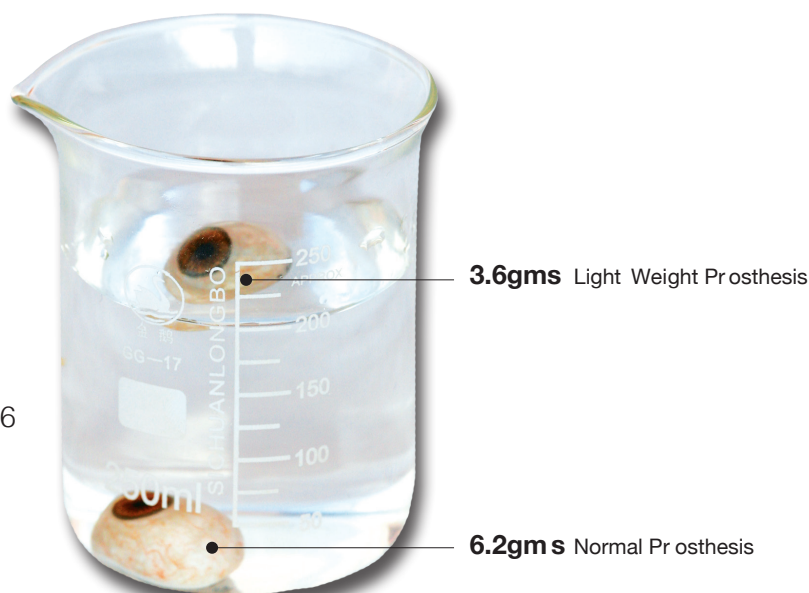
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