



## QUICK & EASY IOP MEASUREMENT WITHOUT ANESTHESIA OR AIR

The Icare tonometer is based on a proven accurate measuring principle, in which a very light probe is used to make momentary and gentle contact with the cornea. The measurement is barely noticed by the patient and often does not even cause corneal reflex. The device not only makes IOP measuring a more pleasant experience on all patients, it is also an important break-through for succeeding with non-compliant patients (f.e. children and dementia patients).

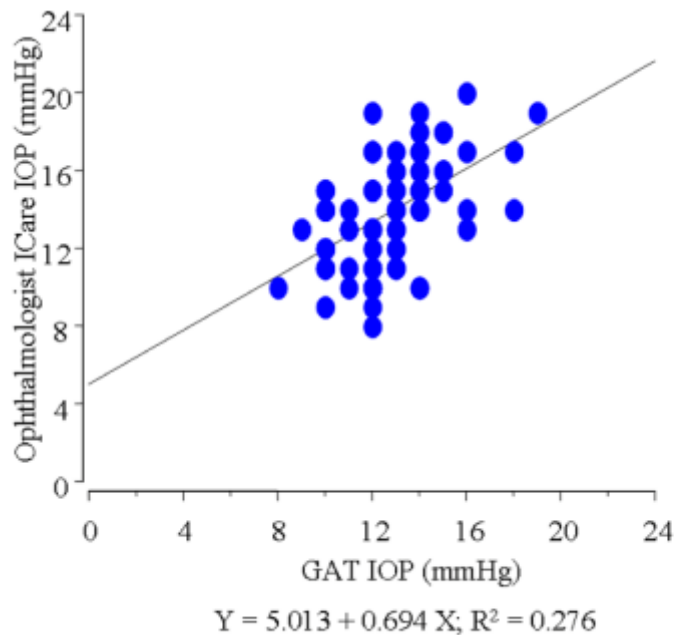
The easy usage and dynamic patient flow obtained by the Icare tonometer make it a very important instrument for general practitioners, optometrists, occupational health care, pharmacies and other medical personnel.

Requiring no drops, neither specialized skills for its use the quick and painless Icare tonometer makes IOP measuring easy and has an important role in glaucoma screening programs of masses.

### User reviews

1. More pleasant for the patient:
  - No anesthetic or disinfection needed;
  - No unpleasant air puff;
  - Lowers reflective IOP elevation;
2. Highly practical:
  - Small;
  - Easy instructions and use;
  - No calibration;
  - Faster IOP measurement speeding up the patient flow;
  - Effective in other fields of medicine as well, lowers the risk of not noticing serious symptoms
3. Suitable for any kind of occasions:
  - Pediatric patients;
  - Disabled people;
  - Soft contact lenses;
  - Conjunctivitis;
  - After eye surgeries;
  - Blepharospasm
4. Reliable measurements:
  - Series of 6 measurements done at once for a precise average;
  - Rarely underestimates IOP;
  - Little contact area with the corneal surface for higher precision

## Clinical trials



Graph demonstrating the correlation between the IOP readings obtained by the ophthalmologist with Goldman applanation tonometry and those obtained by the ophthalmologist using the Icare® in the 81 enrolled eyes.

### TECHNICAL PERFORMANCE DATA

Type: TA01i.

The device conforms to CE regulations.

Dimensions:

13 – 32 mm (W) \* 45 – 80 mm (H) \* 230 mm (L).

Weight:

155 g (without batteries), 250 g (4 x AA batteries).

Power supply: 4 x AA batteries.

Measurement range: 7-50 mmHg,

Display range: 0-99 mmHg

(IOP estimation beyond the measuring range).

Accuracy

(95% tolerance interval relative to manometry):

$\pm 1.2$  mmHg ( $\leq 20$  mmHg)

Repeatability (coefficient of variation): <8%.

Accuracy of display: 1.

Display unit: Millimeter mercury (mmHg).

There are no electrical connections from the tonometer to the patient.

The device has B-type electric shock protection.

Storage/transportation environment:

Temperature +5 to +40 °C.

Rel. humidity 10 to 80% (without condensation).