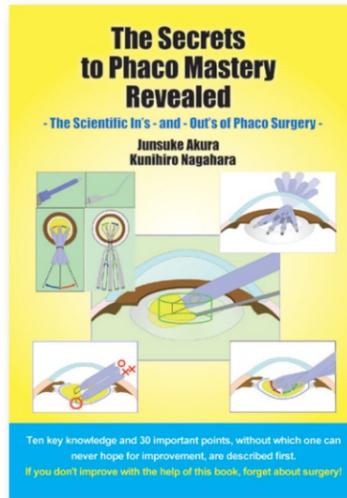


[KITARO-Related Goods]

Learning from the textbook with using KITARO will produce optimal results!



<Authors>
Junsuke Akura
Kunihiro Nagahara
Yoshihiro Tokuda

“The Secrets to Phaco Mastery Revealed – The Scientific In’s-and-Out’s of Phaco Surgery –” is related to the KITARO series. This textbook describes the effective usage of KITARO. It is extremely effective to practice what is described in the textbook with KITARO at the desk. The textbook was prepared through scientific thorough analysis of the way of teaching with a variety of unique ingenious ideas. You can purchase the textbook alone, but are recommended to get it with KITARO.

10 Key Knowledges with 30 Points Leading You to Master of Surgery

- (1) Intraocular instrumentation for all small incision surgery
- (2) Intraocular instrumentation for control of eye direction
- (3) Intraocular instrumentation based on vector dynamics
- (4) Local anatomy and intraocular instrumentation for avoiding intraoperative complications
- (5) Phaco machine functions and intraocular instrumentation for safe and efficient surgery
- (6) Intraoperative complications caused by phaco machine-specific functions and prevention methods
- (10)

Profits from the KITARO and textbook will be used for support activities in developing countries.

The KITARO and textbook were produced through the experience in the cooperative project in Nepal initiated by the Association for Ophthalmic Cooperation in Asia (AOCA) and Japan International Cooperation Agency (JICA; Japanese ODA agency). If we obtain profits from the sales of these products, we will use them for support activities in developing countries through the AOCA and Japan International Cooperation of Ophthalmology (JICO).

Distributed in India by



SMR OPHTHALMIC PVT. LTD.

209, Linkway Estate, Link Road,
Malad West, Mumbai - 400 064 INDIA.
www.smrindia.com

(+91-22) 6695 0141 / 42
(+91) 98670 17429
sales@smrindia.com

Frontier Vision
for Ophthalmic innovation & education

Head Office: 4-7, Futami-cho, Nishinomiya, Hyogo, 663-8111 Japan

Tel: 0798-68-6555 Fax: 0798-68-6556

E-mail: info@frontiervision.co.jp URL: http://www.frontiervision.co.jp

– The Revolutionary Training Tool for Cataract Surgery–

It's not the time we train ourselves with human eyes!!

KITARO
DryLab & WetLab

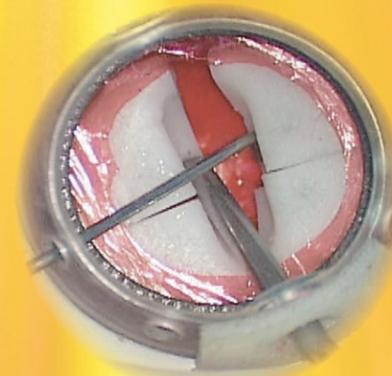
KITARO DryLab



Learn/teach

Basic Instrumentation

**At the Desk at your home or
medical office.**

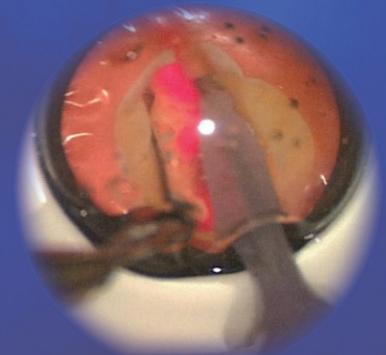


KITARO WetLab



**Learn/teach Machine Operation
in surgical simulation**

**Very Similarly on the Human
Eye.**



Smart Learning and Teaching with Both KITARO Kits



KITARO has been highly acclaimed at international academic conferences:

- 2009 ESCRS Video Competition in Barcelona (Grand prize)
- 2009 DOC Film Festival in Nurnberg (3rd prize)
- 2010 JSOS Ophthalmic Surgery Film Award in Tokyo (Gold medal)

Invented by Junsuke Akura & Kiran Pokharel

KITARO DryLab

- Tool for trainers to teach novices the basic instrumentation at the desk
- Tool for novices to quickly improve their surgical skills through repetitive practice at the desk

1. Anterior-Capsule Film *CCC*



The 5- μ m polyester film having a special 2-layer structure and the artificial cortex made of resin clay can reproduce CCC just like on the human eye.

2. Segmented Plastic Nucleus *Basic Instrumentation, 3 Nuclear Segmentation Techniques*



You can learn the basic instrumentation and nuclear segmentation techniques with 3 artificial nuclei for Divide & Conquer, Stop & Chop, and Phaco Chop techniques by dividing and rotating them using mock instruments.

3. Polymer-Clay Nucleus *Phaco Chop and Prechop Techniques*



The artificial nucleus made of special resin clay is most suitable for practicing the Prechop and Phaco Chop techniques, allowing instrument insertion and nuclear dividing. You can repeatedly use the nucleus after kneading and returning it to the original shape with your fingers.

4. Sclerocorneal Sheet *Self-Sealing Wound Construction, Suture*



You can practice self-sealing wound construction and suture with the special resin sheet producing a similar feeling of cutting the human sclerocornea.

5. Oculomotor Device & Mask *Realistic Sensation*



Eye movements and eyelid resistance during instrumentation provide realistic sensation of actual surgery.

KITARO WetLab

- Tool for surgical simulation very similarly on the human eye, superior to porcine wet lab
- Smart tool with mock instruments and drain system

6. Artificial Cataract Lens *All Phaco Techniques, Complication Management*



CCC



Grooving & Dividing



Phaco Chop



Prechop

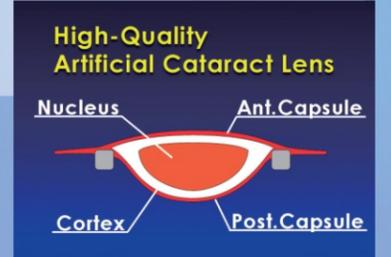


Emulsification & Aspiration



Capsule Rupture Management

The artificial cataract lens of KITARO WetLab has the high-quality nucleus, cortex, anterior capsule, and posterior capsule. You can experience 3 types of nuclei varying in hardness (soft, medium, and hard). You can practice almost all steps in phacoemulsification such as CCC, all nuclear segmentation techniques, and even IOL insertion, very similarly on the human eye. In addition, posterior-capsule rupture and nuclear dropping may occur, which allow you to practice intraoperative complication management.



7. Artificial Cornea *Self-Sealing Wound, AK (LRI), Suture*



The high-quality artificial cornea same as the human cornea in thickness (500 μ m thick at the center and 700 μ m thick at the periphery) provides a realistic feeling of instrumentation. You can also practice self-sealing wound construction, AK, LRI, and suture.

© KITARO is a Revolutionary Education and Training System for Cataract Surgery.



For beginners, it is difficult to learn manual instrumentation and machine operation with foot switch at the same time in wet lab. In learning phaco surgery, taking the following steps will result in remarkably fast improvement in your skills: Learn the instrumentation with KITARO DryLab first, learn machine operation with KITARO WetLab next, and then perform actual surgery. As mock instruments, irrigation bag, and drain system are supplied with KITARO, no complicated preparation is required.