

PAP

Value up Together

PRI

CA

PapricaLab

www.papricalab.com

Lab.

We are Paprica Lab



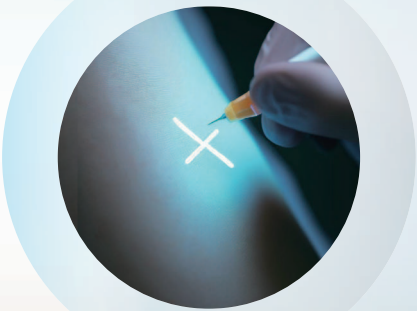
BinkieRT

Patient Specific Tongue
Positioning Device



CLEANBOLUS

Transparent and
Elastic Tissue Equivalent



FLUOTIP

Medical Fluorescent
Ink Tattoo System



EYERADPRO

Tungsten Eye Shields and
Aluminum Caps

Value
up
Together

PapricaLab

We are
PAPRICALAB.



CEO
Hong-Gyun, Wu

CEO
Jung-in, Kim

We are a medical equipment development company, co-founded by a radiation oncologist and a medical physicist, bring together expertise from both fields to drive innovation in healthcare technology.

PAPRICALAB stands for Personalized, Adaptive, Precise, Radiotherapy, Innovative, Comprehensive, and Assistant Lab.

PAPRICALAB is a Korean medical device development company, and it is the first and only company co-founded by a radiation oncologist and a medical physicist. Together, they bring expertise from both fields to drive innovation in healthcare technology.

We are committed to pioneering research and development aimed at enhancing the quality of life for patients and their families, with our focus on the innovation, development, and production of supplementary equipment and materials essential for radiotherapy.

PAPRICALAB, established in December 2019, has been steadily growing through various investments and research and development efforts. We currently hold 24 patents and possess numerous intellectual property rights. The cumulative funding for government research and development projects amounts to 3.3 million USD. We will continue to evolve as PAPRICALAB, addressing unmet needs by incorporating feedback from healthcare professionals, especially in radiotherapy.

A global leader
in the Radiation Medicine Innovation

**NORTH
AMERICA**

(in progress)

PapricaLab
from

KOREA

ASIA

EXPORTING
COUNTRIES

JAPAN

HONG KONG

MALAYSIA

SINGAPORE

VIETNAM

EYERADPRO®



PRODUCT INTRODUCTION

The tungsten shield protects the lens during radiotherapy, while the aluminum cap blocks backscattered electrons.

Available in multiple sizes with a silicone dummy that removes metal artifacts for accurate CT simulation.

SIZE



ERP S



ERP M



ERP L

MODEL	ALUMINUM CAP [mm]	TUNGSTEN EYE SHIELD [mm]
ERP S	17 mm	15 mm
ERP M	19 mm	17 mm
ERP L	21 mm	19 mm

TYPE



Tungsten + Al Cap



Tungsten



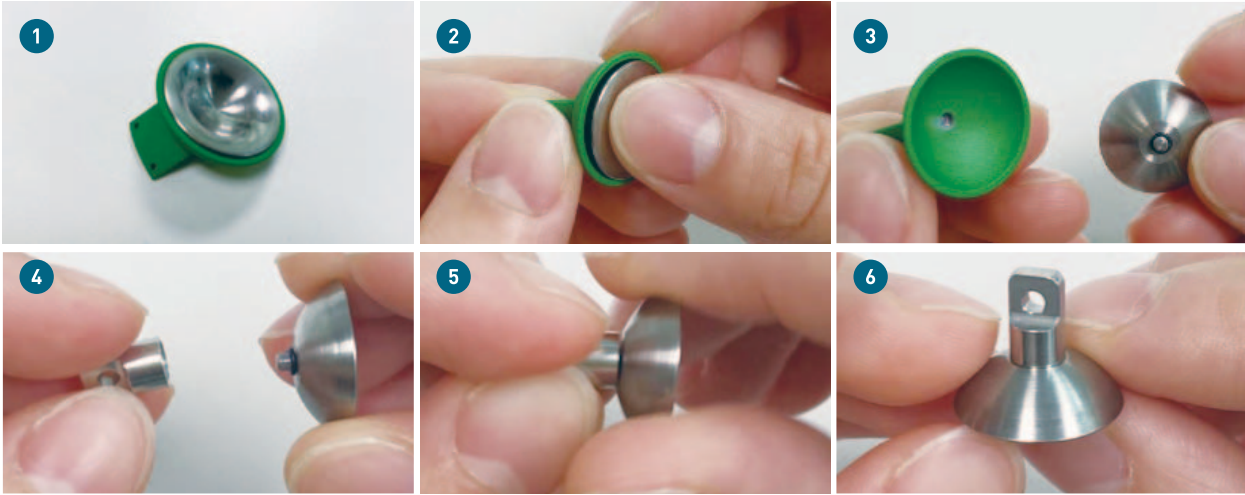
ERP Dummy

Tungsten eye shield Eye protection during high-energy radiotherapy
Aluminum Cap Backscattered electron shielding
Silicone Dummy (SHYLDUM) Avoid metal distortion in CT Simulation Images

INSTRUCTION IN ASSEMBLY

Step 01 Hold the handle of the aluminum cap and twist to detach the tungsten eye shield.

Step 02 Insert the detachable knob into the threaded groove and twist to secure it to the tungsten eye shield.



PHYSICAL CHARACTERISTICS

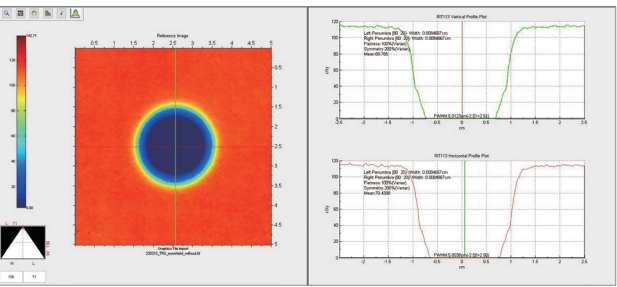
Transmission
(Unit: %)

SIZE		6 MeV	9 MeV
SMALL	Tungsten Only	4.29	6.62
	Tungsten + Al Cap	3.93	5.34
MEDIUM	Tungsten Only	3.52	4.80
	Tungsten + Al Cap	2.90	3.87
LARGE	Tungsten Only	3.57	5.11
	Tungsten + Al Cap	2.95	3.84

Specifications

Tungsten thickness	Aluminum thickness	Tungsten density	Aluminum density	ERP Dummy (SHYLDUM)
3mm	1mm	18.7-19.3 g/cm³	2.70g/cm³	Silicone 100%

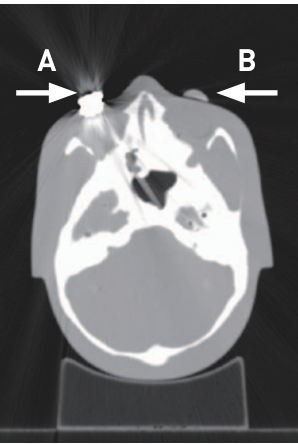
Dose Distribution



Experimental Condition

9 MeV Electron beam	SSD 100 cm	10 mm depth	M EYERADPRO	RIT program
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STRONG POINT



Metal artifact ZERO

Using a Dummy, it is possible to obtain clean images from CT scans without metal artifacts, allowing for accurate dose calculations.

(A) Tungsten eye shield (B) ERP Dummy

Designed for Asian

- Create designs with the average corneal curvature of Asians.
- Specifically made for the curvature and position of the upper eyelid when the eyes are closed.

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