

K-box®

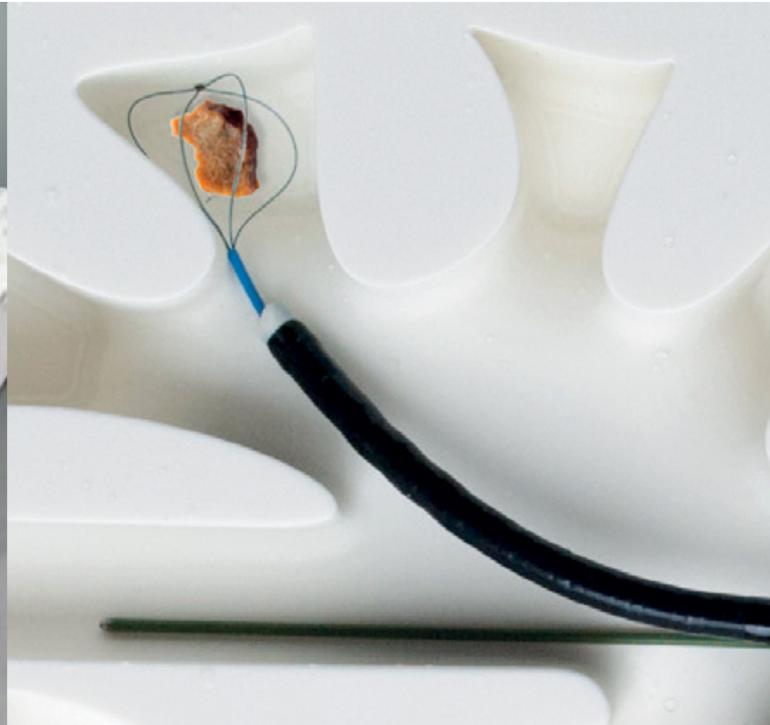
Generation Training Model

Friendly User Guide



K-box[®]

Generation Training Model



Introduction: The K-box[®] is a generation training model

Training sessions with the K-box will teach you:

- To manipulate the scope
- To manipulate the scope with single use devices as baskets to catch and relocate stones
- To perform step by step techniques
- To use laser in the different settings

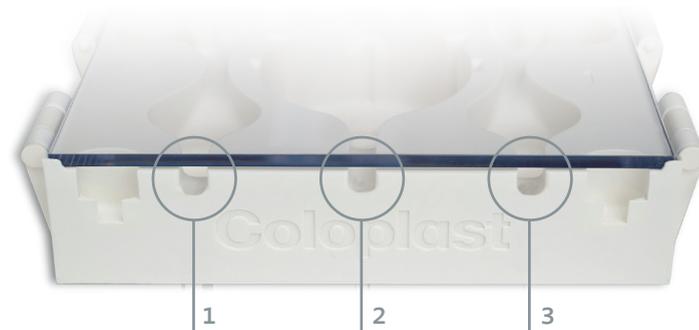
Please go through this short user guide to find some instructions and useful tips to get the best from your training experience with the K-box.

Description:

The K-box is composed of **4 different** independent boxes.

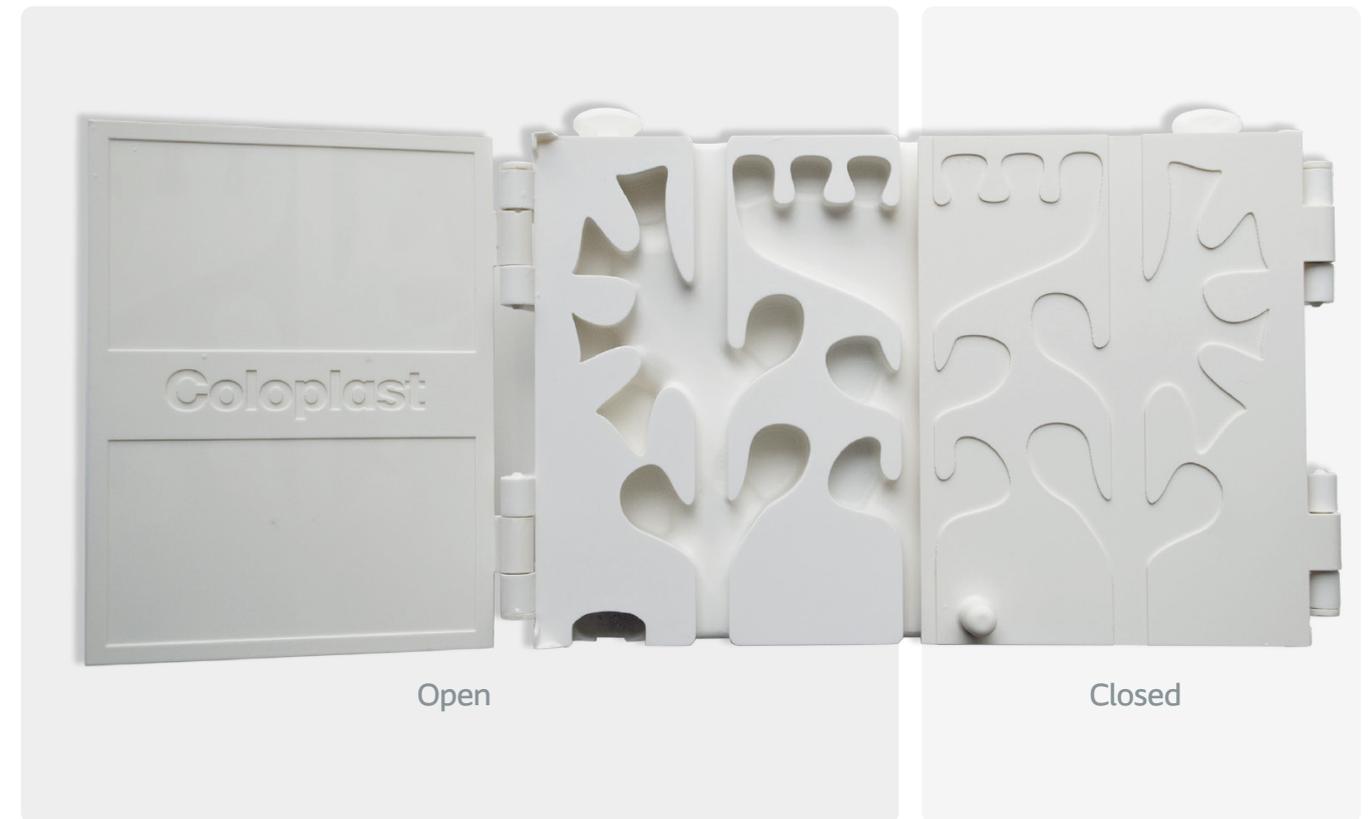


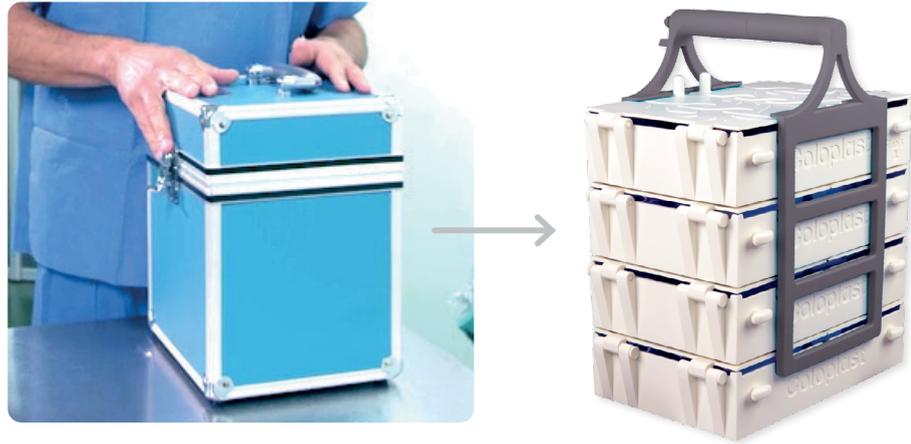
Each box has a different “pattern” and is composed of **3 entries** and **3 exits** on each side.



All exercises are performed with the boxes closed.

In case you are lost while watching the screen, you can open the flaps to see where you are.





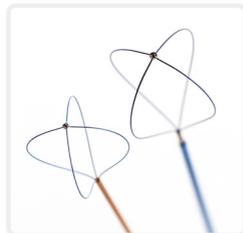
The K-box can easily be transported and used in any place.

Before starting to practice please assure you have the following elements:

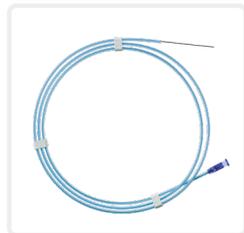
- Screen
- Endoscope
- Camera and camera control unit
- Light source and the light cable
- Disposable devices:



ReTrace®
Access Sheath



Dormia®
No-tip basket



Guidewire



JJ stents

1

Get rid of the handles to dissociate the elements.



2

Gently clip the modules together on a flat surface, any order will be fine.



3

Place the stones provided and start your own exercises!



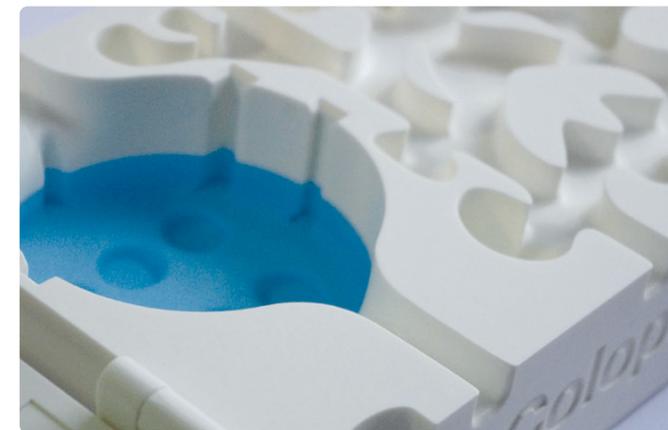
Tips:

The boxes can be installed in any random order, or can be used separately, as just one, two or three.



You can use the K-box dry or with water.

N.B. Water is mandatory if you plan to use the laser to practice stone fragmentation techniques

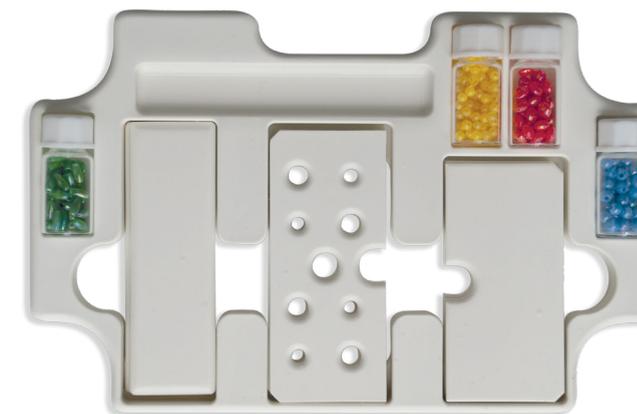


Silicone spray can be applied, to assist in smooth internal movability.



Tools placed in the tray can be added and removed to personalize the path inside the boxes which will add some difficulties to the exercises.

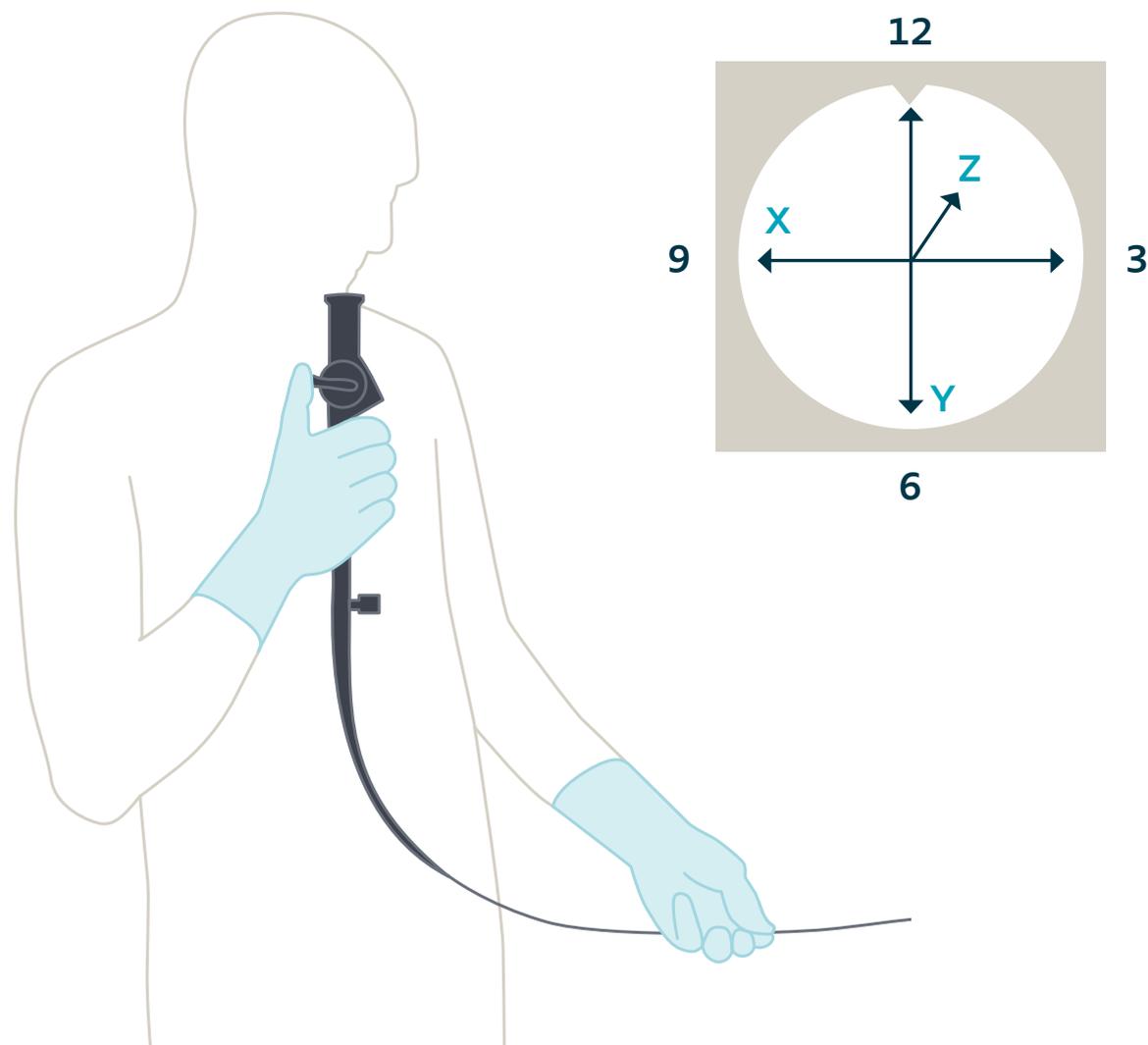
There is no stereotyped exercise with the K-box, we strongly invite you to create your own!



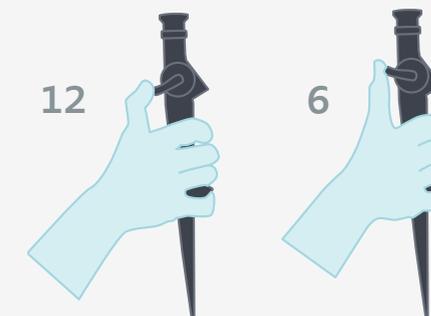
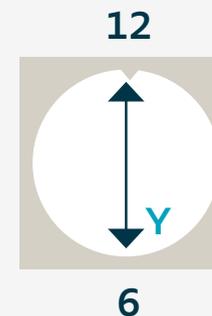
Movement description:

For all exercises described an "european model endoscope" has been used.

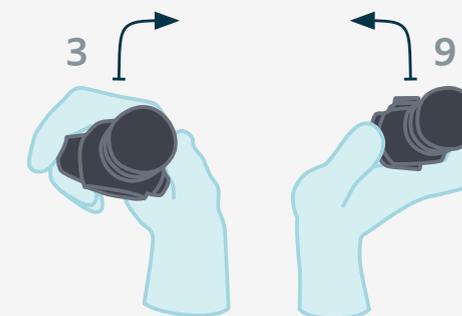
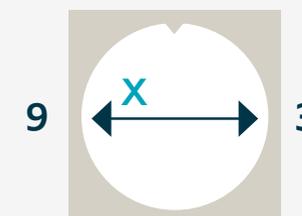
Position 0



Y axis
Deflection (12 to 6)



X axis
Rotation (3 to 9)

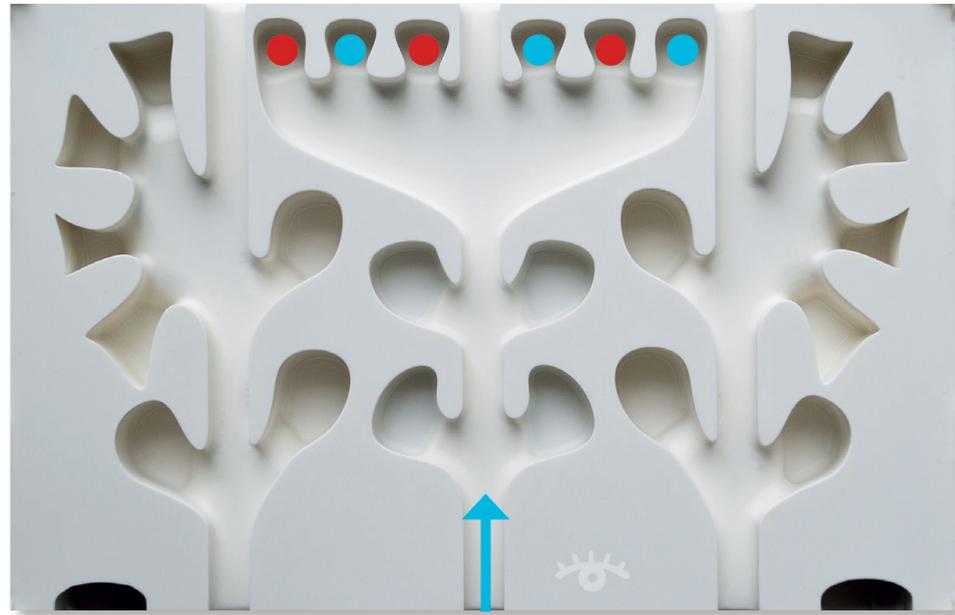


Z axis
Push and remove



Class 1: Orientation

Exercise with
this box:



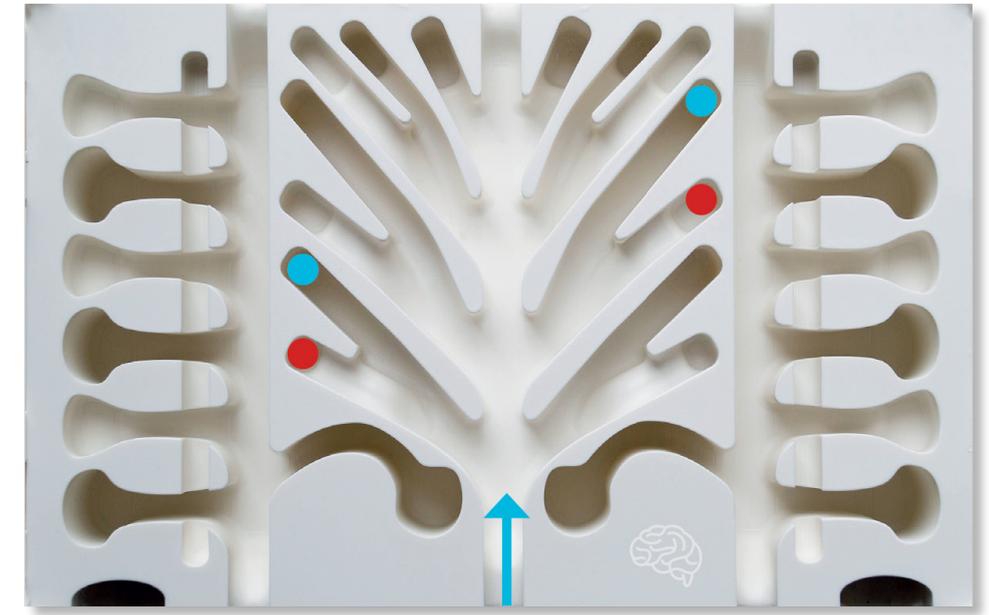
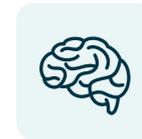
Find all the blue and red balls

Movement to perform this exercise:

- **Rotation***
- Deflection
- Push/remove

* The main movement

Exercise with
this box:



Find all the blue and red balls

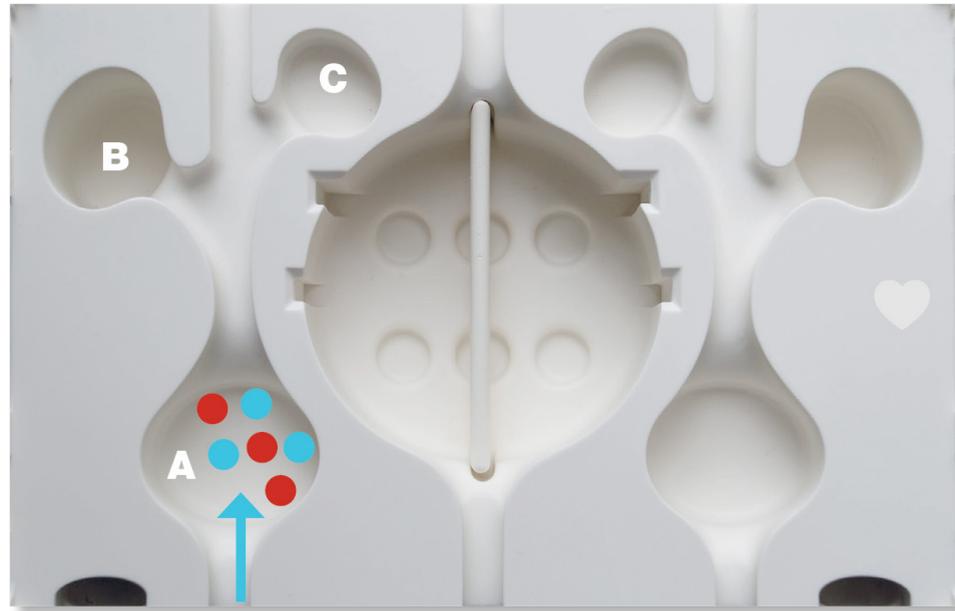
Movement to perform this exercise:

- **Push/remove***
- Rotation
- Deflection

* The main movement

Class 2: Manipulation with the basket

Exercise with
this box:



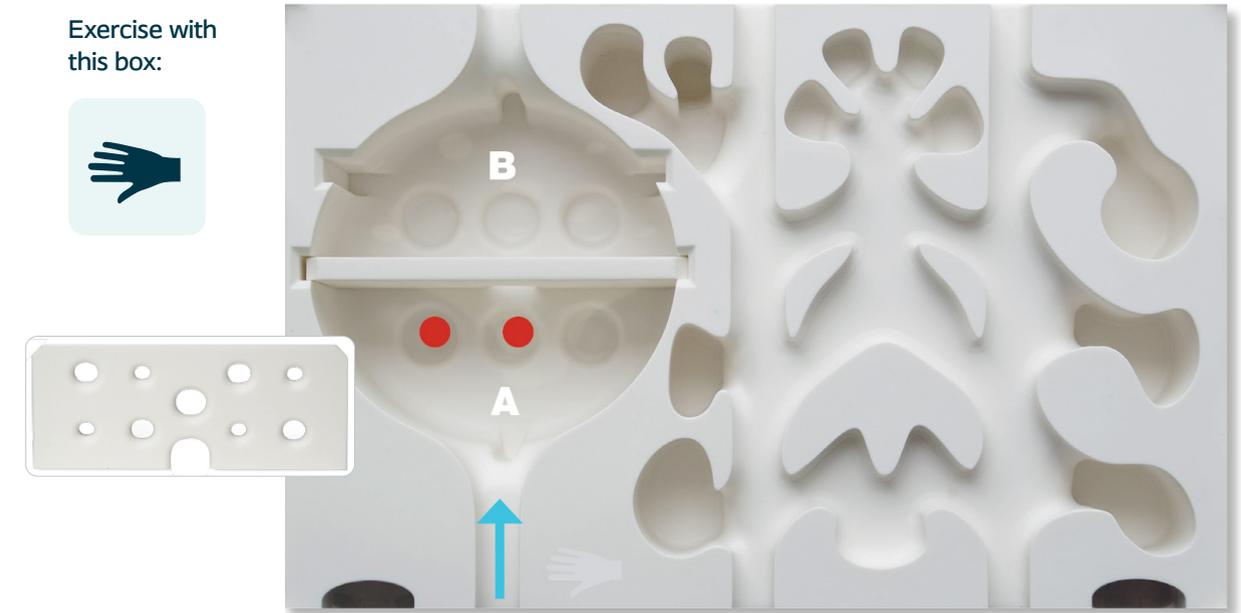
Catch all the balls and bring the red ones from A to B
and the blue ones from A to C

Movement to perform this exercise:

- **Rotation***
- Push/remove
- Deflection

* The main movement

Exercise with
this box:



Pick the red balls and bring them from A to B passing through
any hole in the white element in the middle of the cavity

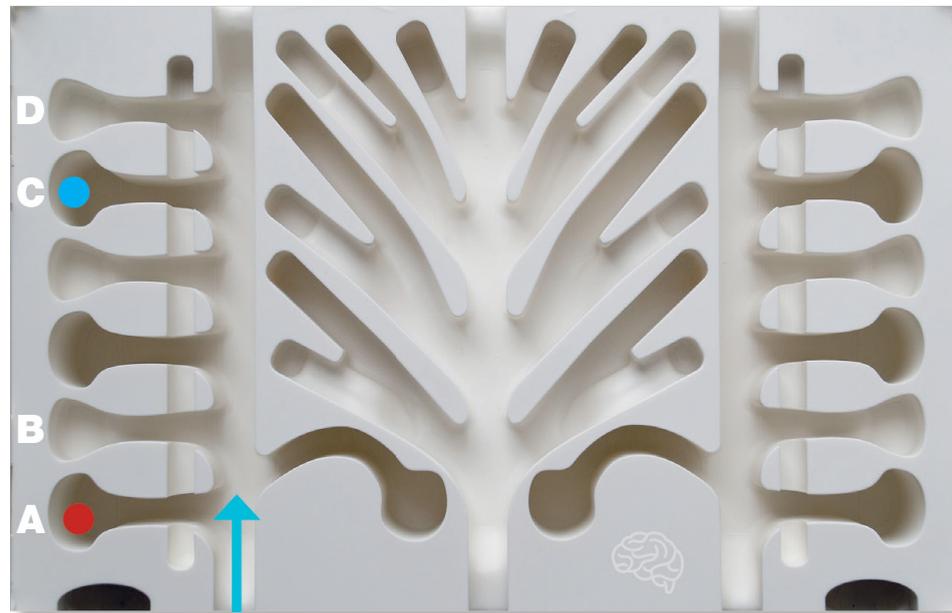
Movement to perform this exercise:

- **Push/remove***
- Deflection
- Rotation

* The main movement

Class 2: Manipulation with the basket

Exercise with
this box:



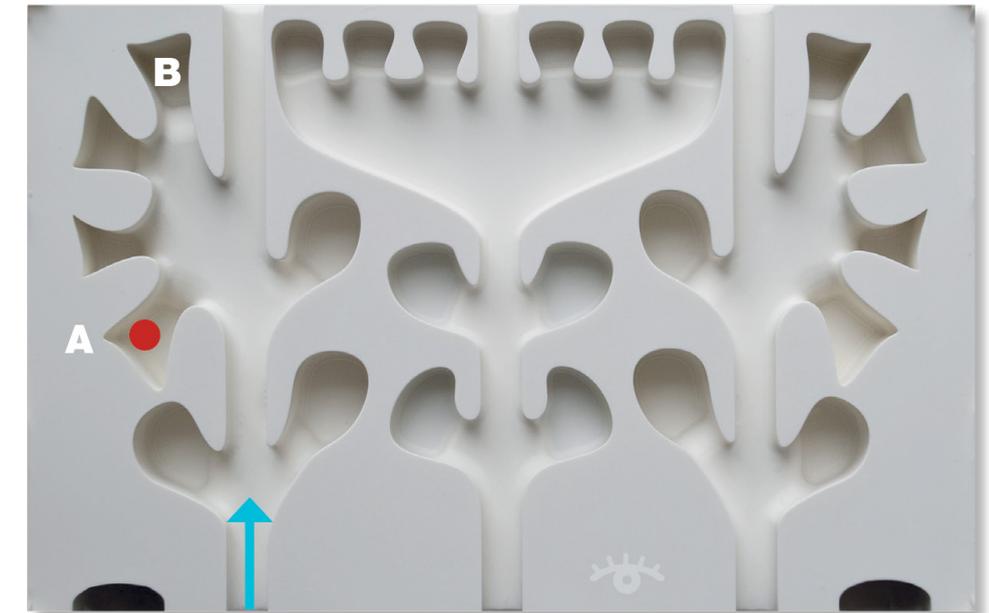
Bring the red ball from A to B and the blue ball from C to D

Movement to perform this exercise:

- **Rotation***
- Push/remove
- Deflection

* The main movement

Exercise with
this box:



Bring the red ball from A to B

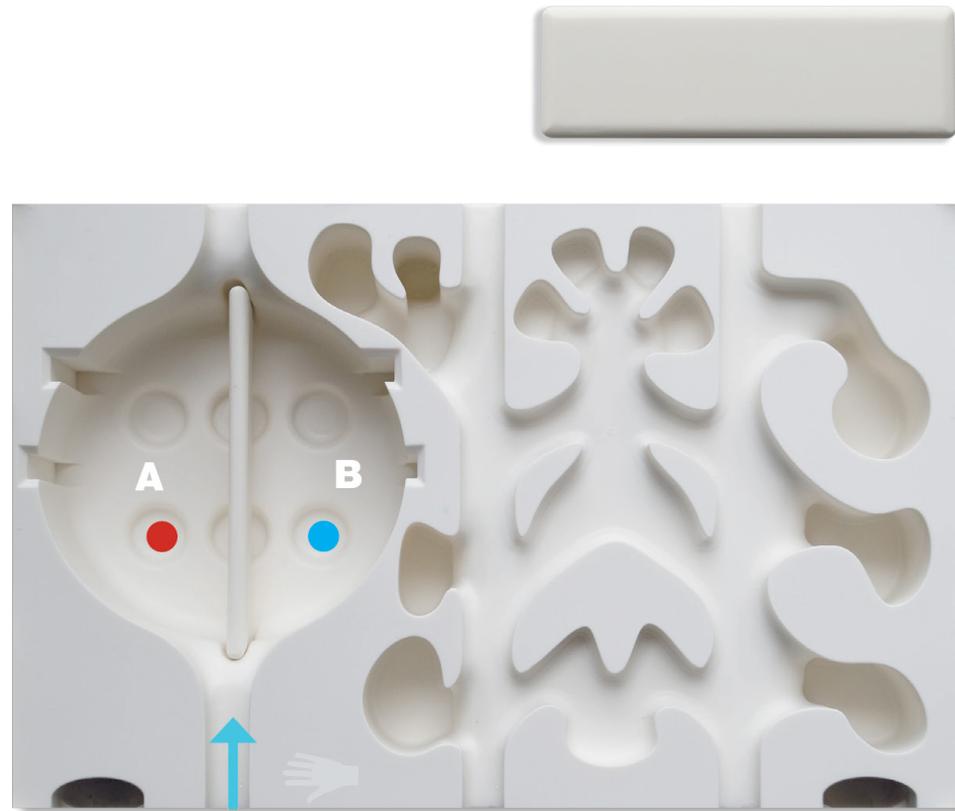
Movement to perform this exercise:

- **Deflection***
- Rotation
- Push/Remove

* The main movement

Class 3: Practice the laser in different settings

Exercise with this box:

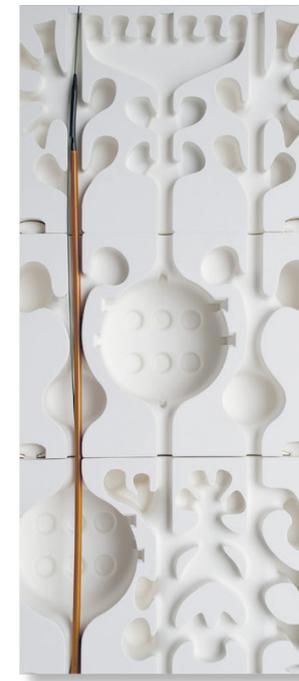


A to dust and B to fragment

Class 4: Step-by-step technique



1 Wire placement



2 Ureteral access sheath



3 Removal of introducer



4 Placement and manipulation of URS

K-box allows you to learn how to perform movements with your endoscope.
Its aim is not to reproduce the exact anatomy system, but to create an environment that can help to feel more comfortable in maneuvering the scope in real life after training sessions.