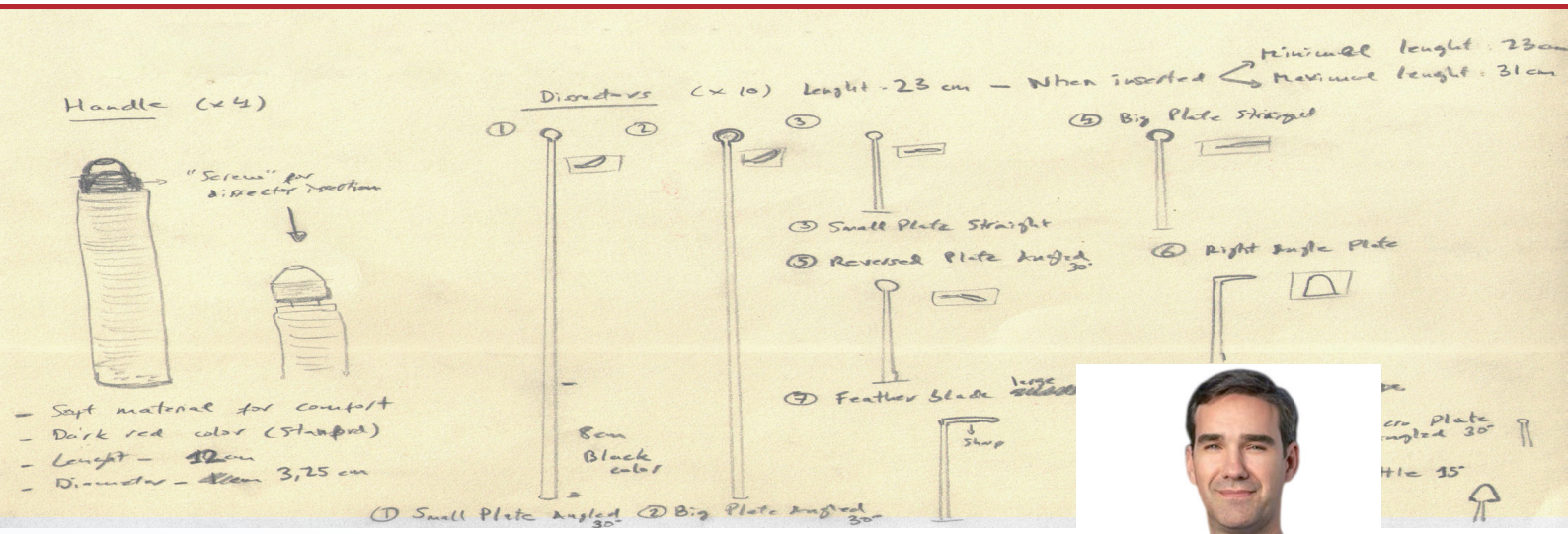
Hotry®
Medical Innovation

MIRANDA DISSECTOR SET

MIRANDA Dissector Set

Instruments for Transcranial Microsurgery & Endoscopic Endonasal Surgery



MIRANDA Dissector Set

"This original dissector set is the result of many years of intense work in collaboration with HOTRY.The uniqueness of these dissectors is based on their extendable variable-length, which make them optimal for both transcranial microsurgery and endoscopic endonasal sugery.

There are nine length marks that can be easily adjusted according to the surgical corridor and patient charateristics. The shorthest lengths (1-3) are perfect for microsurgical procedures and pediatric endonasal cases, while the middle lengths (4-6) are ideal for most endoscopic endonasal operations; the longest extensions (7-9) are suited for deep corridors, such as into the third ventricle or craniocervical region.

The handle has been ergonomically designed for enhanced technical precision as compared with classical microsurgical dissectors, and the black coating in the surface of the dissector decreases light reflection improving visibility.

The complete set includes twelve dissector tips that have been devised to perform accurate, gentle and safe surgical technique. I believe twelve dissectors represent a balanced number, because during surgery we want to have enough choices but not too many at the same time.

After having used and perfected these instruments over the last years, I am extremely satisfied with their quality and performance. The MIRANDA dissector set is now the only one I use for all my transcranial and endonasal operations. The perfection of simplicity."

——Dr,Juan Fernandez-Miranda

Designed in collaboration with:

Dr.Juan Fernandez-Miranda,MD

Dr. Juan Fernandez-Miranda is Professor of Neurosurgery and Surgical Director of the Stanford Brain Tumor, Skull Base, and Pituitary Centers.

He is internationally renowned for his expertise in minimally invasive brain surgery, endoscopic skull base and pituitary surgery, open skull base surgery, and complex brain tumor surgery.

He has been recently ranked by Expertscape as World-Expert (top 0.05%) on Skull Base Surgery and #1 Neurosurgeon Expert on Skull Base Tumors
(pituitary adenomas, meningiomas, craniopharyngiomas, chordomas, chondrosarcomas, schwannomas and esthesioneuroblastomas) on the US Pacific Region.

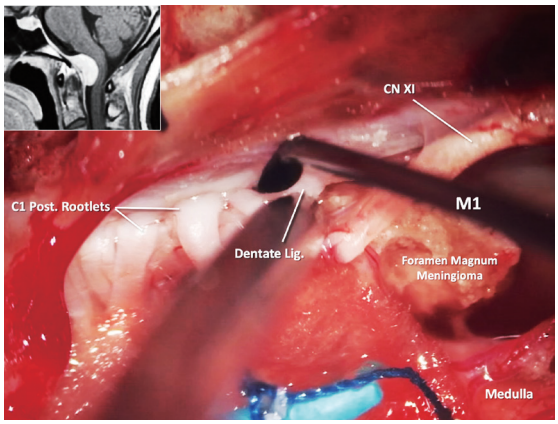
The working length of the dissectors can be readily adjusted between 80 to 160mm according to the surgical corridor and patient characteristics. Well visible length marks facilitate communication with the scrub nurse and standarization of surgeon's preferences.

Twelve different dissector tips that have been designed to perform accurate, gentle and modern surgical technique. The black coating in the surface of the dissector decreases light reflection.

The handle has been ergonomically designed to increase surgeon's comfort and enhance technical precision. The diameter and "skin-like" texture of the handle, as compared with classical microsurgical dissectors, provide an excellent grip to enable precise handling.

MIRANDA Dissector Set

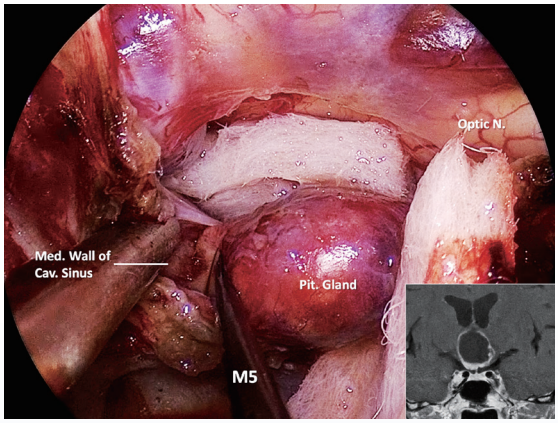
Instruments for Transcranial Microsurgery & Endoscopic Endonasal Surgery



M1–M3：

M1–M3 dissectors with 45 ° angle and plate’ s diameter 1mm, 2mm, and 3mm respectively.

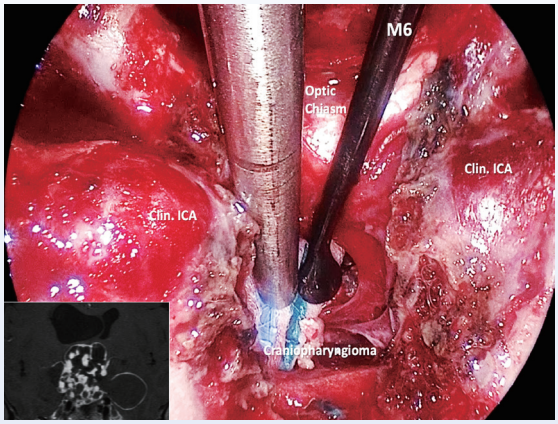
“These first three dissectors are the most used dissectors to handle tissues in a precise manner, including gentle arachnoidal dissection, precise tumor manipulation and careful neurovascular dissection.
They are the equivalent of the Rhoton 1–2–3 dissectors, but with finer profile and all the advantages of the Miranda design.”



M4–M5：

M4–M5 dissectors are straight dissectors with a plate’ s diameter of 2mm and 3mm, respectively.

“These straight dissectors, not available in most other sets, have proven extremely valuable.
They are very accurate for dissecting the plane between pituitary gland and pituitary tumor, to dissect the gland away from the medial wall of the cavernous sinus, or to gently dissect the medial wall away from the cavernous carotid artery.”



M6：

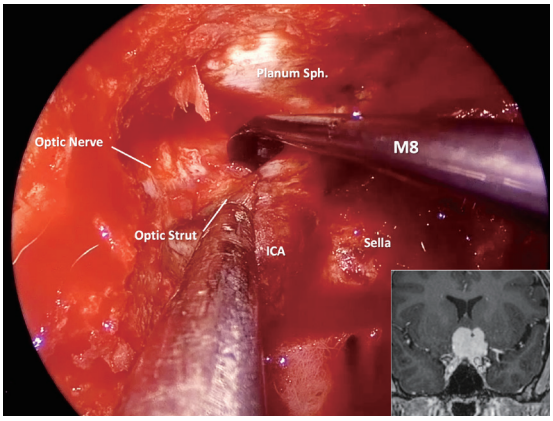
M6 dissector is quite unique because it has a reversed angle: the surface of dissection is in the opposite side, minimizing the retraction of delicate tissue when dissecting in narrow space.

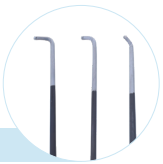
“I have found this dissector ideal to dissect the capsule of craniopharyngioma away from the optic chiasm while avoiding having the dissector shaft in the line of view or against the chiasm. Similarly, it is well suited for microdissection within the brainstem,midbrain, or hypothalamic regions.”

M7–M8 :

M7 has the“ arrowhead” shape characteristic of the Cottle dissector, but with a fine design and all the at–tributes of the Miranda set.
M8 is an original dissector: same shape as M7 but with a 60° angle.

“These dissectors are mostly for epidural work: dissec–tion of bone away from dura, for example, to dissect sellar dura away from sellar floor, or paraclival carotid from clival bone. The M8 angled dissector is perfect for epidural dissection along the anterior skull base and optic canal”

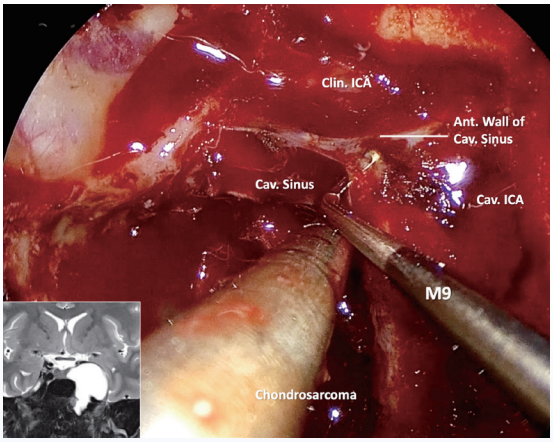




M9–M11 :

M9–M11 are angled knives with blunt tips, based on the original McElveen knife, but with a renewed de–sign. M9 and M10 are right angled knives of 3 and 2 millimeters, respectively. M11 is a 2 millimeter but 60° angled knife. To maintain their full sharpness, they will need replacement after prolonged use.

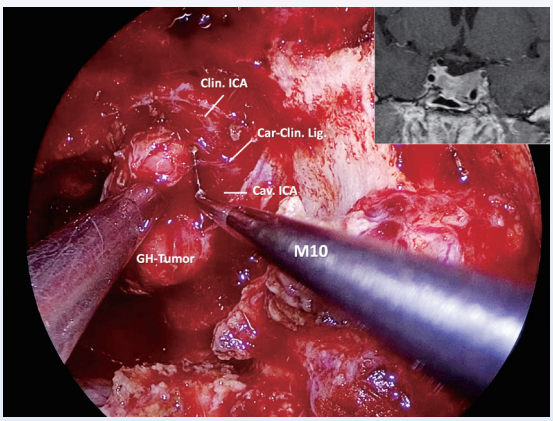
“These angled knifes are key for advanced skull base surgery, particularly in the cavernous and paraclinoidal regions. Because of their design – an upper surface that is sharp but a blunt tip – I can safely open the anterior wall of the cavernous sinus, transect parasellar ligaments or widely open the optic canal dura without fearing injury to the carotid artery or optic nerve. I also use M9–11 for sharp dissection of tumor, arachnoid and neurovascular structures”



M12 :

M12 dissector is a right angle ring curette with a 3mm diameter.

“I only have one ring curette in my set, because tumor, arachnoidal and neurovascular dissection is performed with much more precision with the other dissectors. However, there are corners that only the ring curette can reach to remove tumor remnants of soft consist–ency”

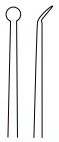


MIRANDA Dissector Set

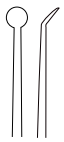
Instruments for Transcranial Microsurgery & Endoscopic Endonasal Surgery

Standard-Dissectors M1-M12

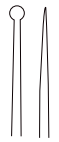
H05–1001
M1
Plate
ϕ 1mm
45°



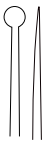
H05–1002
M2
Plate
ϕ 2mm
45°



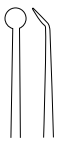
H05–1003
M3
Plate
ϕ 3mm
45°



H05–1004
M4
Plate
ϕ 2mm
Str.



H05–1005
M5
Plate
ϕ 3mm
Str.



H05–1006
M6
Plate
ϕ 3mm
Str.

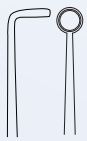
H05–1007
M7
Cottle
Str.

H05–1008
M8
Cottle
60°

H05–1009
M9
Angle knife
3mm
90°

H05–1010
M10
Angle knife
2mm
90°

H05–1011
M11
Angle knife
2mm
60°



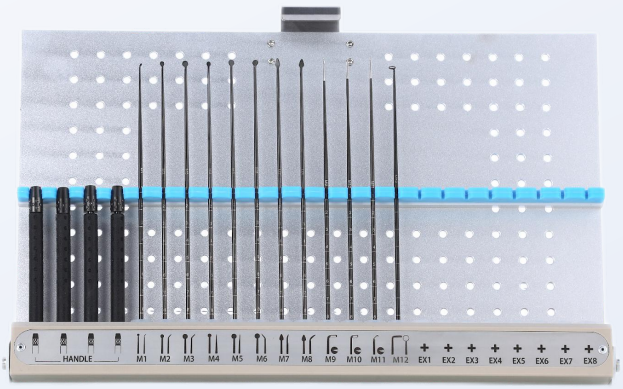
H05–1012
M12
Curette
ϕ 3mm
90°

Dissector

H05-1001~H05-1012
180mm
Nine length marks
PVD soild Black

Handle

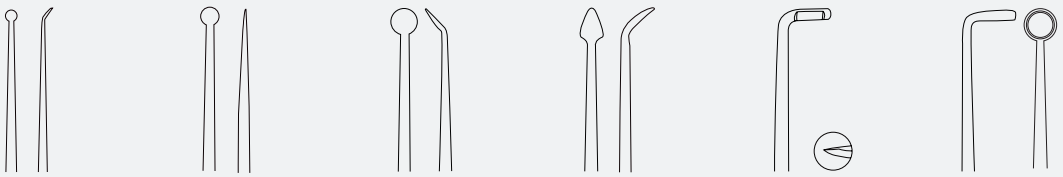
H05-1013
105mm
"Skin-like"design
"Golfball"design



Tray

JFM-TRAY1
4*Handle seat
16*Dissector seat

Hotry® Medical



Hotry (Beijing) Co.,Ltd.
HOTRY Medical, 3rd Floor, Building 21, LIANDONGU VALLEY, No.50 Huatuo Road, Daxing District, Beijing,China
Tel: +86 15600753360
E-mail:hotrypeak@gmail.com
www.Hotryneuro.com

This brochure is a global unified template. For actual use in eachregion, please refer to the scope of local declaration of conformity.