

ABDUCENT NERVE

↳ SUPPLIES LATERAL RECTUS
MUSCLE OF EYEBALL.

FUNCTIONAL COMPONENTS -

① GENERAL SOMATIC EFFERENT = FOR LATERAL MOVEMENT
OF EYEBALL
GSE

~~② GENERAL SOMATIC AFFERENT~~

COURSE & DISTRIBUTION -

① INTRACRANIAL COURSE - FIBRES OF VI NERVE RUNS
VENTRALLY & DOWNWARDS THROUGH
THE TRAPEZOID BODY (i)

EOMS

• MEDIAL LEMNISCUS (ii) &

• BASILAR PART OF PONS (iii)

TO REACH LOWER BORDER OF PONS.

② NERVE IS ATTACHED TO THE LOWER BORDER OF PONS
OPPOSITE THE UPPER END OF PYRAMID OF MEDULLA.

③ NERVE THEN RUNS UPWARDS, FORWARDS & Laterally
& PASS THROUGH DORELLO'S CANAL.

④ CAVERNOUS SINUS - NERVE ENTERS ~~ON~~ C.S. BY
PIERCING ITS POST. WALL.

✓ ✓ ✓
EOMS
- IN THE CAVERNOUS SINUS, AT FIRST IT
LIES LATERAL TO THE INTERNAL CAROTID
ARTERY & THEN INFEROLATERAL TO IT.
(ICA)

⑤ NERVE ENTERS THE ORBIT THROUGH THE MIDDLE
PART OF SUP. ORBITAL FISSURE.

IT LIES INFEROLATERAL TO OCULOMOTOR
& NASOCILIARY NERVES. (3rd)

⑥ IN THE ORBIT - NERVE ENDS BY SUPPLYING ONLY
THE LATERAL RECTUS MUSCLE.

- IT ENTERS THE OCULAR SURFACE OF
MUSCLE.

ABDUCENS NERVE (VI) (NOTES)

5 6 7 8
PONS

EOMS

