Histologic methods for identifying alls of verwour system:

A. Stains using true dyes

- 1 NISSL stain naudojami basic amiline dyes (hematoxylin) -- afinisetas DNA in RNA: miclei and Visol substance
- EHRLICH all purpose stain hematoxylin & evsin evzing madazo libusius andimis
- 3 MYELIN SKEATH stainings:
 - a) IRON-BEMATOXYCIN Fe drushos palæicia hernotoksiling afinifeta uno nukleino k. prie vielino
 - B) LUXOL FAST BLUE

B ofher methods

- (Juk lasseles, sieh organelie):
 - a) OSMIUM nandojamas elektroniniam mikroskopus.
 - 6) SILVER Sviesos unthroskopijai: sidaloras lenguai redulungasi panandojant iv. redulutvino ar svieso. Keiziant solygas, redulutvino, filosažus sidaloro jouai impregninga shirtingas skuloturas. Puz: 60LGI method induso visa (!) ventona su jo atongonis
- 1 HISTOCHEMICAL REACTIONS
 - a) ENZYME HISTOCHEMISTRY expressing distre to enzymatic substrate, then storing end products.
 - 6) AUTORADIO GRAPHY nandojami nadioaletyvus substratai (nadioaetive fracers)
 - c) IMMUNOLOGIC methods nandojami specificiai Ak
 - d) FLUORESCENT microscopy nandojamos fluorescuojancios medziagos. Nandojama kasecholaminerginiams neuronams in ju aksonams

Resinne: Nissl stain - prihanya Myelin stain - mielinisuator alongos Jolgi silver stain - visas neuronas

NERVOUS SYSTEM TRACING NERVE TRACTS

refluds for tracing nerve tracts:

- A. Gross dissection
- B. Phylogenetic companison
- c. Embryologic methods
 - 1) Silver impregnation for axons lyginant in auxians embriones, matoma burlink auga alisonai
 - 2) regelination pasinandojama shirtingu melinizacijos bailes (dezones mielinas)
 - 3) Golgi method undazomas vivas neurones turnas is atangos
- D. Wallerian degeneration vienas it svankiausir metodis! ligos an ekspenimentikai pazeisti aksonai
 - a) degenerating axons: Nanta-Gygax silver impregnation method selelityviai undažo degenemojančia aksoplazina
 - 6) degenerating myelin:
 - · MARCHI method osuic acid reacts with digenerating myelin (positive trail)
 - o Tron-hernatoxylin method sulculurs vielino degeneracijos, undazomas likes weikas vielinas (negative trail)
 - E. Nuclear reaction paseidus absons, dasant pagal Visel, stebima chromostolysis an visiskas neurono luno isnyhimas (inylus pilmai retrogradinei degeneracijai)
 - F. <u>Jujection</u> fraceh method perihanionas medziaga (injekuota.

 Intia an fieriai i perikaniona) isverioja po ataugas, burios po to
 vizualizuojamos:

 1) Horseraelish peroxidase reactions
 2) Huorescence
 3) Antonadiography
 - 6. <u>slectrophysiologic</u> vrettrods pritaikomi klintroje: stimulinojant verkimo pretereiala: along tracts.