- 4 CNs at each brainstem level - Midbrain / above the pons: 3,4 deficite will be ipsilatural except - Pons: 5, 6, 7, 8 CNIV - Medulla: 9,10,11,12 2. 4 medial " M" structures - motor (somatic) nuclei of CN · deficits: ipsilateral CN - motor body of corticospinal tract · deficits: contralateral UMN face arm/leg weakness - medial lemniscus · deficits: contralateral loss of vibration + proprio ception - medial longitudinal fasciculus · deficits: loss et ipsilaterel eye adduction 3. The 4 more medial somatiz CN motor nuclei an factors of 12 - aka CNIII, IV, VI, XII - more lateral: CNI, VII, IX, X 4. 4 lateral "S" structures. = spino cerebellar tracts · deficits: ipsilateral extremity ataxia - spinothalamic tract " deficits: contralateral loss of pain + temp.
 - spinal nucleus I

 deficits: ipsilateral loss of facial pain + temp.

- sympathetiz pathway · deficits: ipsilateral Horner's syndrome