Practicals in Ophthalmology for medical students

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| Practicals title | Required practical skills (every student must know to perform) | Required theoretical notions about procedures (every student must know to describe and/or know the purpose) but do not have to know to do it on their own. |
| Department for posterior eye segment | •Obtain a focused history, past ocular history and systemic medical history for:  -acute painless vision loss  -chronic vision loss  •Examine the fundus with fundus photography and identify the most important structures (the teacher will bring some printed examples of most common retinal disorders) | •Get acquainted with Goldmann 3 mirror lens and other contact lenses  •Indirect ophthalmoscopy |
| Operating theater |  | •Phacoemulsification cataract surgery |
| Orthoptics outpatient dept. | •Examination of ocular motility:  -demonstrate an examination for range and symmetry in the nine cardinal positions of gaze  •Demonstrate the use of corneal light reflex  •Cover uncover test | •Obtain a focused history, past ocular history and systemic medical history for:  -patient with an eye movement abnormality or diplopia  -most important ophthalmic problems in children  •Synoptophore  •Hess Lancaster test  •Occlusion therapy |
| Ophthalmology examination room I | •Measuring and recording visual acuity (note weather acuity was measured at near or far, with or without correction, pinhole VA assessment  •Color saturation test | •Biomicroscopy with slitlamp  •Ischihara test |
| Ophthalmology examination room II | •Examine the fundus with direct ophthalmology |  |
| Retinology outpatient dept. |  | •How fundus photography is taken  •Photocoagulation laser  •OCT imaging of the macular lesions and interpretation of the printout |
| Dept. for anterior eye segment | •Examine the important structures of the anterior segment of the eye with a penlight in a systematic way  •Eyelid eversion techniques  •Aplication of eyedrops, ointment and eye-patch | •Obtain a focused history, past ocular history and systemic medical history for:  -red or painful eye  -patient with eye trauma  •How Schirmer test and TBUT tests are done. |
| Ultrasound, VEP, ERG, EOG |  | •Basic US of the eye  •Basics of VEP, ERG, EOG |
| Glaucoma outpatient dept. | •Assess visual fields by confrontation testing  •Assess IOP by palpation, when indicated | •Aplanation tonometry, non contact tonometry, Schotz tonometry  •Pachimetry  •Digital perimetry with emphasis on interpretation of the findings printout  •RNFL OCT imaging of the optic nerve and the interpretation of the printout  •YAG laser |
| Outpatient dept. for contact lenses and orbit | •Correct contact lenses positioning and taking off | •Egzophthalmometry  •Various signs of proptosis  •Ptosis signs |