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 |