

Learning Levels of Students on Clinical Placement

CLINICAL SKILLS covered at university include*:

* Please note whilst these clinical skills have been taught to an extent throughout the course, the level of competency will vary between students. Also note for students newly applying these skills will initially require supervision and feedback until you are confident of their level of competency.

PP1 (Semester 2) <i>1st Year Students</i>	PP2 (Semester 1) <i>2nd Year Students</i>	PP3 (Semester 2) <i>2st Year Students Final Semester</i>
<p>The list below includes patient assessment skills covered during semester 1.</p> <ul style="list-style-type: none"> History taking (Initial & follow-up) Adult vision testing including with PH and <6/60 Paediatric vision testing Vertometry Examination of patients with heterophoria and CI: CT, PBCT, CNP using RAF rule, Prism Fusion Ranges (PFR) & Ocular Movements (OMS) Examination of concomitant deviations including intermittent XT: CT, PBCT, PFR, OMS & assessment of deviation control Stereo-acuity testing- Titmus, TNO, Randot, Frisby and Lang Sensory fusion testing: Worth lights, Bagolini glasses and 15[^] prism Assessment of accommodative anomalies: RAF rule and measurement with lenses Colour vision testing for congenital & acquired defects Using the Synoptophore for patient assessment of binocular vision, treatment of CI & assessment of suppression Orthoptic treatment for CI, intermittent XT & accommodative anomalies Slit lamp examination anterior segment, dry eye assessment including TBUT How to use an ophthalmoscope Instillation of eye drops Basic VF – confrontation & Bjerrums HVF - Set up and interpretation of test reliability Understanding RFNL changes 	<p>The list below includes patient assessment skills covered during year 1 of the course.</p> <p>Column 1 plus:</p> <ul style="list-style-type: none"> Applanation Tonometry, I-care tonometry Manual and automatic keratometry Immersion and contact A-scan IOL master OCT (macular, ONH, AC & pachy) Retinal photography & FFA Aseptic technique, and the ability to set up & assist in minor surgical procedures Examination of incomitant deviations – PBCT in 9 positions, Hess chart, field of BSV, diplopia assessment & Synoptophore chart Assessment of accommodative ET and AC/A ratio Assessment of microtropia: ARC on the synoptophore, 4[^] test, SPBCT & visuscope Orthoptic treatment of accommodative ET Advanced vertometry and prescription of glasses by way of subjective refraction or retinoscopy 	<p>The list below includes patient assessment skills covered during year 1 & 2 of the course.</p> <p>Column 1 and 2 plus:</p> <ul style="list-style-type: none"> Clinical reasoning, for simple and complex cases Advanced history taking and record keeping Assessment and understanding of pupillary responses, saccade and pursuit movements Examination of neurological patients: VA at bedside, ocular motility (CN palsies and gaze palsies), nystagmus & colour vision Assessment and management of visual neglect Assessment of torsion and BHHT Management of diplopia with fresnels Advanced VF – HVF and Goldmann Orthoptic treatment including long-term case management and rehabilitation The ability to confidently use diagnostic ophthalmic equipment The ability to assess and contribute to the education & or management of patients with low vision.

ACADEMIC KNOWLEDGE

<p><i>Academic knowledge completed by end of Year 1</i></p> <p><i>(relevant clinical placement subject is PP1)</i></p>	<p><i>Academic knowledge completed by end of semester 1 Year 2</i></p> <p><i>(relevant clinical placement subject is PP2)</i></p>
<p>Ophthalmology</p> <ul style="list-style-type: none"> Anatomy, function & diseases of Anterior eye structures including Sclera, Cornea, Conjunctiva, Lids, Iris Anatomy, function & diseases of posterior eye structures including Lens, Retina, Optic Disc, Choroid, Visual Pathway (<i>basic</i>) Optics and refractive error Cataract (<i>adult & paediatric</i>) Glaucoma (<i>basic, complex & paediatric</i>) Retina (medical & surgical) Vascular diseases and ocular involvement Inflammation & infection of ocular structures Principles of Aseptic technique <p>Ocular motility</p> <ul style="list-style-type: none"> Heterophoria Intermittent Strabismus (XT & ET) Accommodative and non-accommodative anomalies Convergence insufficiency Constant Strabismus Binocular vision DVD and Nystagmus Micro Squint Abnormal Retinal Correspondence (ARC) Amblyopia Suppression Head posture –causes and effects Incomitant Strabismus 	<p>Ophthalmology</p> <ul style="list-style-type: none"> Management of refractive errors including prescription of glasses, contact lens and refractive Surgery Assessment and management of patients with low vision Assessment for low vision aids, including refraction of patient for visual improvement Awareness of mobility training, which patients would benefit and how to access the training. <p>Ocular Motility</p> <ul style="list-style-type: none"> Neurological eye disorders including cranial nerve palsies, brain injuries and brainstem abnormalities Skew deviations Acquired nystagmus Visual neglect INO and PSP Significance & implications of headaches Research applications <p style="text-align: center;">PP3</p> <p><i>Final clinical placement subject undertaken by 2nd year students in semester 2 year 2</i></p> <p>In conjunction with their final clinical placement subject students develop further research, analytical & clinical reasoning skills.</p> <p>This semester is seen as the capstone of all clinical and academic units before students become clinical practitioners entering the Orthoptic work force.</p>