**Logbook required for the FEBOS Glaucoma Subspecialty Exam**

**Mandatory knowledge (M), Recommended knowledge (R)**

**Name of the Candidate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| Embryology, anatomy, physiology | 1 | 2 | 3 | 4 | 5 | N/A | Comment |
| Anterior chamber angle (M) |  |  |  |  |  |  |  |
| Ciliary body (M) |  |  |  |  |  |  |  |
| Aqueous humor (M) |  |  |  |  |  |  |  |
| Optic disc and nerve fiber layer (M) |  |  |  |  |  |  |  |
| Retina (M) |  |  |  |  |  |  |  |
| Cornea (M) |  |  |  |  |  |  |  |
| Lens, zonules, hyaloid, vitreous (M) |  |  |  |  |  |  |  |
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| Theoretical knowledge | 1 | 2 | 3 | 4 | 5 | N/A | Comment |
| Epidemiology (M) |  |  |  |  |  |  |  |
| Pathophysiology (M) |  |  |  |  |  |  |  |
| Diagnostics (M) |  |  |  |  |  |  |  |
| Therapy: medical, laser, surgery (M) |  |  |  |  |  |  |  |
| Complications of treatment (M) |  |  |  |  |  |  |  |
| Follow-up (M) |  |  |  |  |  |  |  |
| Critical evaluation of literature1 (M) |  |  |  |  |  |  |  |

1Evidence Based Medicine, including health economics

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| Classification of the Glaucoma and list of pathologies | 1 | 2 | 3 | 4 | 5 | N/A | Comment |
| Ocular hypertension/Primary open angle suspect (M) |  |  |  |  |  |  |  |
| Primary open-angle glaucoma (M) |  |  |  |  |  |  |  |
| Primary juvenile glaucoma (M) |  |  |  |  |  |  |  |
| Primary congenital glaucoma (M) |  |  |  |  |  |  |  |
| Secondary open-angle glaucoma1 (M) |  |  |  |  |  |  |  |
| Primary angle closure2 (M) |  |  |  |  |  |  |  |
| Iris plateau configuration and syndrome/glaucoma (M) |  |  |  |  |  |  |  |
| Secondary angle closure/glaucoma3 (M) |  |  |  |  |  |  |  |
| Malignant glaucoma (M) |  |  |  |  |  |  |  |
| Developmental glaucomas with associated anomalies4 (M) |  |  |  |  |  |  |  |
| ICE syndromes5 (M) |  |  |  |  |  |  |  |

1 Pigmentary, pseudoexfoliative, lens induced, corticoid induced, hemorrhage induced, uveitic, increased episcleral venous pressure

2 Patient at risk, primary angle closure suspects, primary angle closure, angle closure glaucoma

3 Neovascular, lens/IOL induced, uveitic, traumatic)

4 Axenfeld-Rieger syndrome, aniridia, Peter’s Anomaly

5 Chandler Syndrome, Essential / Progressive Iris Atrophy, Iris Nevus / Cogan Reese Syndrome)

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| IOP measurements1 | 1 | 2 | 3 | 4 | 5 | N/A | Comment |
| Goldmann applanation tonometry (M) |  |  |  |  |  |  |  |
| Dynamic contour tonometry (Pascal) (R) |  |  |  |  |  |  |  |
| Air-puff (R) |  |  |  |  |  |  |  |
| Ocular Response Analyser (R) |  |  |  |  |  |  |  |
| Icare (R) |  |  |  |  |  |  |  |
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| Pachymetry1(M) |  |  |  |  |  |  |  |

1Clinical knowledge (Theoretical knowledge of all items is mandatory)

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| Gonioscopy | **1** | **2** | **3** | **4** | **5** | **N/A** | **Comment** |
| Indirect gonioscopy (Goldmann 3-2-1 mirror lenses) (M) |  |  |  |  |  |  |  |
| Direct gonioscopy (Koeppe lense etc) (M) |  |  |  |  |  |  |  |
| Dynamic gonioscopy (Zeiss, Posner, Sussmann lens) (M) |  |  |  |  |  |  |  |
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| Tests of visual function | 1 | 2 | 3 | 4 | 5 | N/A | Comment |
| Standard automated perimetry (SAP) Humphrey or Octopus2(M) |  |  |  |  |  |  |  |
| Goldmann perimetry (R) |  |  |  |  |  |  |  |
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**2**Detailed knowledge of analyzing Humphrey and Octopus visual field results

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| Clinical examination of ONH and RNFL1 | 1 | 2 | 3 | 4 | 5 | N/A | Comment |
| Disc and RNFL photography (M) |  |  |  |  |  |  |  |
| Optical Coherence Tomography2 (M) |  |  |  |  |  |  |  |

1 ONH = Optic nerve head, RNFL = retinal nerve fiber layer.

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| Anterior segment imaging | 1 | 2 | 3 | 4 | 5 | N/A | Comment |
| Anterior segment OCT (R) |  |  |  |  |  |  |  |
| UBM (R) |  |  |  |  |  |  |  |
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| Electrophysiology (R) |  |  |  |  |  |  |  |

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| Medical treatment of glaucoma (M)3 | 1 | 2 | 3 | 4 | 5 | N/A | Comment |
| Modality and form of administration (M) |  |  |  |  |  |  |  |
| Mechanism of action (M) |  |  |  |  |  |  |  |
| Indications (M) |  |  |  |  |  |  |  |
| Limitations (M) |  |  |  |  |  |  |  |
| Quality of life (M) |  |  |  |  |  |  |  |
| Side effects (M) |  |  |  |  |  |  |  |
| Cost (M) |  |  |  |  |  |  |  |
| Neuroprotection (M) |  |  |  |  |  |  |  |
| New modalities of administration (M) |  |  |  |  |  |  |  |
| New molecules in the pipeline(M) |  |  |  |  |  |  |  |

**3 Extensive and detailed knowledge in all available classes of medications mandatory**

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| Laser procedures as first surgeon | 1 | 2 | 3 | 4 | 5 | N/A | Comment |
| Trabeculoplasty (SLT) (M) |  |  |  |  |  |  |  |
| Yag iridotomy (M) |  |  |  |  |  |  |  |
| Peripheral iridoplasty (M) |  |  |  |  |  |  |  |
| Laser suture lysis (M) |  |  |  |  |  |  |  |
| YAG capsulotomy (M) |  |  |  |  |  |  |  |

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| Incisional surgery knowledge | 1 | 2 | 3 | 4 | 5 | N/A | Comment |
| Cataract surgery (R) |  |  |  |  |  |  |  |
| Complex cataract surgery (R) |  |  |  |  |  |  |  |
| Trabeculectomy (R) |  |  |  |  |  |  |  |
| Use of antifibrotics agents (R) |  |  |  |  |  |  |  |
| Aqueous shunts (non-valved and valved) (R) |  |  |  |  |  |  |  |
| Non-penetrating procedures (R) |  |  |  |  |  |  |  |
| MIGS (Optional) |  |  |  |  |  |  |  |
| Combined procedures (R) |  |  |  |  |  |  |  |
| Cyclodestructive procedures (R) |  |  |  |  |  |  |  |
| New devices/ surgical methods (Optional) |  |  |  |  |  |  |  |

\*The EBO-EGS exam will not certify the candidate’s surgical skills or ability. To be eligible, surgical experience is necessary: indication, technique, postoperative care and management of complications will be integrated part of the knowledge tested during the exam.

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| Management of surgical complications | 1 | 2 | 3 | 4 | 5 | N/A | Comment |
| Needling of failing/encysted filtering blebs (M) |  |  |  |  |  |  |  |
| Repair of leaking blebs (M) |  |  |  |  |  |  |  |
| Management/reformation of shallow anterior chamber (M) |  |  |  |  |  |  |  |
| Management of hypotony and choroid detachment (M) |  |  |  |  |  |  |  |
| Re-operation following failure of glaucoma surgery (R) |  |  |  |  |  |  |  |

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| Childhood glaucoma | 1 | 2 | 3 | 4 | 5 | N/A | Comment |
| Examination under anesthesia for congenital glaucoma (R) |  |  |  |  |  |  |  |
| Goniotomy (R) |  |  |  |  |  |  |  |
| Trabeculotomy (R) |  |  |  |  |  |  |  |
| Trabeculectomy (R) |  |  |  |  |  |  |  |

**Clinical exposure sufficient to gain experience and be able to run independently a glaucoma clinic, medical and surgical management (M)**

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**Knowledge on how to organize, run and continuously improve a successful and sustainable (cost-effective) care service for glaucoma patients (M)**

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**Experience and knowledge on critical evaluation of literature (M)**

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**Participation in basic and/or clinical research (M)**

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**Participation in local, regional, national, international professional and scientific meetings (M )**

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**Active presentations at meetings (R)**

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**Publication(s) in peer-reviewed journals (R)**

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| Experienced with the textbooks | 1 | 2 | 3 | 4 | 5 | N/A | Comment |
| EGS Guidelines 5th Edition 2020 [www.eugs.org](http://www.eugs.org) (M) |  |  |  |  |  |  |  |
| Relevant national evidence-based guidelines (M) |  |  |  |  |  |  |  |
| Shields Textbook of Glaucoma 6th Edition R. Rand Allingham, Karim F Damji, Sharon F Freedman. Lippincott Wiliams & Wilkins 2011 (M) |  |  |  |  |  |  |  |
| Glaucoma, A color Manual of Diagnosis and Treatment Jack Kanski, J McAlliester, John F. Salmon. Butterworth-Heinemann 1996 (M) |  |  |  |  |  |  |  |
| The Glaucoma Book; a practical, evidence based approach to patient care. Paul N. Schacknow, John R Samplers. Springer science and Business media. LLC 2010 (M) |  |  |  |  |  |  |  |
| The Glaucomas Robert Ritch, M.Bruce Shields, Theodore Krupin. Mosby 1996 (M) |  |  |  |  |  |  |  |
| Glaucoma, 2nd ed, Tarek Shaarawy, Marc Sherwood, Roger Hitchings, Jontahan Crowston. 2014. Saunders Ltd (M) |  |  |  |  |  |  |  |
| Evidence Based Medicine. Straus SE, Glasziou P, Richardson WS, Haynes RB,How to Practice and Teach it. Churchill Livingstone Elsevier 2011 |  |  |  |  |  |  |  |
| Glaucoma. American Academy of Ophthalmology. www.aao.org/pdf/Glaucoma |  |  |  |  |  |  |  |

**Detailed knowledge and interpretation of the following randomized controlled clinical trials (All Mandatory**)

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| CNTGS (M) |  |  |  |  |  |  |  |
| EMGT(M) |  |  |  |  |  |  |  |
| OHTS (M) |  |  |  |  |  |  |  |
| EGPS (M) |  |  |  |  |  |  |  |
| CIGTS (M) |  |  |  |  |  |  |  |
| AGIS (M) |  |  |  |  |  |  |  |
| UKGTS (M) |  |  |  |  |  |  |  |
| EAGLE (M) |  |  |  |  |  |  |  |
| Other relevant studies |  |  |  |  |  |  |  |

**Systematic Reviews (Strongly recommended)**

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| Cochrane Collaboration (list read reviews) |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |
| Health Technology Assessments (list read reviews) |  |  |  |  |  |  |  |
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| Other systematic reviews (list read reviews) |  |  |  |  |  |  |  |
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**WITHOUT THIS COMPLETED FORM, YOUR APPLICATION FOR THE FEBOS GLAUCOMA EXAM WILL NOT BE CONSIDERED.**