

Appendix 1. Summary of the glaucoma subspecialty curriculum requirements in 6 categories, prerequisite to examination of Fellow of the European Board of Ophthalmology Subspecialty Diploma in Glaucoma

1. Theoretical knowledge

Epidemiology
Pathophysiology
Diagnostics
Treatment (medical, surgical, laser procedures) and its complications
Follow-up
Classification of the glaucoma and pathological changes that occur
Ocular hypertension
Primary open angle suspect
Primary open-angle glaucoma
Primary juvenile glaucoma
Primary congenital glaucoma
Secondary open-angle glaucoma
Primary angle closure
Iris plateau configuration, syndrome and glaucoma
Secondary angle closure/glaucoma
Malignant glaucoma
Developmental glaucoma with associated anomalies

2. Clinical knowledge

Extensive and detailed knowledge on all diagnostic procedures used in a specialized glaucoma clinic
Extensive and detailed knowledge in medical treatment of glaucoma: all available classes: modalities and forms of administration, mechanism of action, indications, limitation, side effects, quality of life, cost containment, neuroprotection
Potential new therapeutic treatments
Theoretical and practical knowledge on indications and procedures of laser and surgical treatment of glaucoma including: laser procedures, cataract surgery, complex cataract surgery, trabeculectomy, use of antimetabolites and anti-vascular endothelial growth factor therapies, aqueous shunts (non-valved and valved), non-penetrating procedures, minimal invasive glaucoma surgery, combined procedures, cyclodestructive procedures
Complications and failures of glaucoma surgery, management of complications
Examination under anesthesia for congenital glaucoma, goniotomy/trabeculectomy for primary congenital glaucoma
New and future devices/surgical methods

3. Administrative knowledge

Being able to organize, run and continuously improve successful and sustainable care service for glaucoma patients
Being aware of cost effectiveness of glaucoma screening, diagnosis and therapy in European countries

4. Clinical exposure

Sufficient exposure to gain experience and be able to run independently a glaucoma clinic, either medical only or medical and surgical management

5. Scientific activity

Participation in local, regional, national or international professional and scientific meetings, eventually with active presentations at meetings and publications in peer-reviewed journals (participation in basic and/or clinical research during the glaucoma subspecialty training is regarded as an advantage although it is not a prerequisite for obtaining the Fellow of the European Board of Ophthalmology Subspecialty Diploma in Glaucoma.

6. Teaching method

The suggested literature is published on the website of the European Glaucoma Society and the European Board of Ophthalmology comprising follows: suggested literature/textbooks (regularly updated); articles from important randomized controlled clinical trials for glaucoma (regularly updated); critical evaluation of ophthalmic literature (evidence based ophthalmology); and systematic reviews of the previous 5 years including Cochrane reviews, health technology assessment, and evidence based guidelines.