



Surgical Simulation Courses

Vitreoretinal Surgical Basic Course

16th and 17th July, 2021

Hospital da Luz Learning Health - Centro de Formação,
Investigação e Inovação

Program

1st day

17h00 Registration

17h30 **Opening ceremony**

Conferences

17h40 **Dynamics (vitrectomies)
and fluidics**

Mário Ramalho

18h00 **Tamponade in surgical
management**

Susana Teixeira

18h20 **Vitreous dyes and retinal
structures (LIM)**

Mara Ferreira

18h40 **Basic rules of retinal
detachment surgery**

Pedro Carreira

19h00 **Discussion**

19h10 End of 1st day

Direction:

Filomena Ribeiro (PhD, Oftalmologia, Hospital da Luz Lisboa)

Organizing committee:

Rita Gama (MD, Oftalmologia, Hospital da Luz Lisboa)

Scientific sponsor:



**SOCIEDADE PORTUGUESA
OFTALMOLOGIA**

Sponsor:

 **VISION**

2nd day

Conference

08h00 **Basic rules of vitrectomy**

João Nascimento

**Simultaneous practical course with
group rotation | 08h20 - 17h40**

10h20 - Coffee break | 12h40 - Lunch

Simulator

Mário Ramalho | Mara Ferreira

This course uses abstract scenarios to train basic surgical skills, such as instrument navigation in the vitreous and proper OR machine settings. Trainees will also learn to visualize the vitreous through efficient use of microscope and light source. Different steps of vitreoretinal surgery will be trained separately; following abstract instrument handling tasks, trainees will practice first steps in peeling and removing membranes in a simulated surgical environment. Refines already acquired surgery skills by training multi-step vitreoretinal procedures under increasingly demanding conditions, such as treatment of retinal detachment.

- Steps**
- Navigation and instruments
 - Posterior hyaloid detachments
 - Laser coagulation
 - Epiretinal membranes
 - The internal limiting membrane
 - Retinal detachment

Wet-Lab

Susana Teixeira | Pedro Carreira

- Incisions, calibers and trocars
- Central and peripheral vitrectomy
- Exchange of udder and endotamponadores
- Surgical maneuvers on sclera

Ophthalmoscopy

Filomena Silva

- Principles
- Clinical cases