



Global Kidney Academy Hemodialysis Online Course (HOC) 2017 Course Outline

The Global Kidney Academy (GKA) launched its NOC (Nephrology Online Courses) Program in 2013, starting with the CKD NOC. The CKD NOC is now widely available as a free and open access resource.

In 2014, it launched the renal Transplantation Online Course (TOC) that started on the 1st October 2014 and is running annually with regular upgrades and updates.

The HOC aims to provide young nephrologists with an introduction to all aspects of hemodialysis (HD) whilst enhancing the experience of those who are more senior and update their knowledge.

HOC is intended to run annually for a duration of 6 months exclusively Online.

The Global Kidney Academy Nephrology Online Courses (NOCs) also aim to introduce Nephrologists to the principles of Reflective Clinical Practice as well as Critical Thinking and apply them to their daily practice of Nephrology.

Finally, NOCs aim to foster Leadership and Teaching skills in Nephrology.

The Global Kidney Academy (GKA)

The GKA is a company registered in the UK specializing in Nephrology Education with emphasis on emerging countries and their young nephrologists. It provides education through a number of dedicated channels including On Site Master Classes as well as an On Line Academy (OLA). The OLA provides a range of educational resources including lectures, Journals Blogs and literature reviews as well as live and interactive discussion Forum. Since 2013, the GKA and OLA also provide education through NOCs.

HOC: Mission and Philosophy

The democratization of Nephrology learning is at the heart of the Philosophy of the Global Kidney Academy and its NOCs.

The mission of the GKA HOC is to provide an online comprehensive, interactive and affordable course on Renal Replacement Therapy and more specifically Hemodialysis.

It also aims to train Nephrologists to become Experts & Teachers in Hemodialysis.

The HOC will also provide round the clock advice & support to Hemodialysis healthcare providers through its international Faculty.

Ultimately, it will provide a companion & support for doctors involved in HD units worldwide.

The Philosophy of the HOC is to learn within the student's own environment, aspects of Hemodialysis that are most relevant to his/her daily practice.

Furthermore, the GKA encourages and teaches the application of Reflective Learning and Practice as well as Critical Thinking to all aspects of the practice of Hemodialysis.

Also, the GKA's philosophy is to foster emerging countries Nephrology leadership through interactive mentoring as well as networked learning.

HOC: Objectives:

Introduce students to all aspects of Renal Replacement Therapy (RRT) by Hemodialysis
Provide the students with up to date knowledge in the field of Hemodialysis
Familiarise the students with the latest publications on Hemodialysis
Apply reflective clinical practice to Hemodialysis
Apply critical thinking to aspects of Hemodialysis
Promote Leadership in Hemodialysis

Course Duration

The HOC is an open access and open-ended course.
Students can start any time during the year and finish at their own pace and time.

Course Registration

All Year round.

Course Fees

Standard Registration Fees: \$500.00

Fees are payable at registration and non-refundable, unless the course is cancelled for an unforeseen reason.

HOC Organisers

Professor Meguid El Nahas, MD, PhD, FRCP (Course Director)
Professor of Nephrology and Chairman,
Global Kidney Academy
Sheffield, UK

Professor Arif Khwaja, PhD, FRCP
Consultant Renal Physician
Sheffield Kidney Institute
Director, GKA On Line Academy (OLA)
Sheffield, UK

Dr Matthew Faulds, FRCA
Consultant in Anaesthesia and Intensive Care Medicine
Freeman Hospital, Newcastle upon Tyne, UK

HOC Administrator

Mrs Denise Smith
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HOC Structure and Content

I. Lectures

Vascular Access for HD:

Medical Aspects:

Temporary Central Vascular Access (CVC): Dr Nicholas Fardon (UK)

Complications of CVC and Management: Dr Nicholas Fardon (UK)

Surgical Aspects:

Vascular Access: Surgical Techniques: Mr Ahmed Halawa (UK)

A Historic Perspective of Hemodialysis

Global ESRD and RRT: Prof Rashad Barsoum (Egypt)

History of Dialysis: Prof Rashad Barsoum (Egypt)

Principles of Hemodialysis

Basic Principles of HD: Prof Hesham ElSayed (Egypt)

The Dialysis Circuit: Prof Hesham ElSayed (Egypt)

Advances in HD: Profs Rashad Barsoum (Egypt) and Hesham ElSayed (Egypt)

Overview of HD Patients Care

Conservative Care: Prof Edwina Brown (UK)

Prognosis and Care Plan for HD: Prof Edwina Brown (UK)

Hemodialysis patients Outcome Measures: Prof Edwina Brown (UK)

End of life and dialysis withdrawal: Prof Edwina Brown (UK)

Dialysis Modalities

Residual kidney function: HDF and incremental dialysis: Dr Roger Greenwood (UK)

Haemodialysate individualisation and manipulation: Dr Roger Greenwood (UK)

Standard low flux Haemodialysis: Dr Roger Greenwood (UK)

High flux hemodialysis: Prof Francesco Locatelli (Italy)

Haemodiafiltration: Prof Francesco Locatelli (Italy)

Dialysis Optimisation/Dialysate Optimisation: Dr Charles Chazot (France)

Volume assessment and control: Dr Charles Chazot (France)

RRT in the Intensive Care setting: Dr Matthew Faulds (UK)

Dialysis Complications

Dialysis Complications: Dr Charles Chazot (France)

Hypertension and Hemodialysis: Prof Francesco Locatelli (Italy)

Anemia and Hemodialysis: Dr Arif Khwaja (UK)

CKD MBD and Hemodialysis: Dr Arif Khwaja (UK)

CVD and Hemodialysis: Dr Arif Khwaja (UK)

Each Lecture will include:

References and Reading Material

5 MCQs/topic to allow for self-assessment

5 Key References

II. Case Discussions in Hemodialysis

The HOC will provide a series of interactive clinical case discussions throughout the modules. This will be animated by Dr Bisher Kwar (UK).

III. Web Encounters

Regular Internet based Webinars will take place with the HOC students to discuss selected topics with faculty Members.

IV. On Line Consultations

Students registered on the HOC will have the availability of consulting on line around the clock on any HD related issue of interest or concern facing them in their daily practice. Support for this service will be provided by the HOC faculty.

V. On Line Case and Topics Discussions

Students will be encouraged to initiate and conduct case/topic discussions during the 6 months course. These will be conducted on the OLA Forum. These should be posted by the students on OLA and based on real life practice. Posts will be made to an OLA Forum area dedicated to the HOC students. Students should take a leadership role and lead the discussion. Students should provide a summary and conclusion to the case based on evidence derived from the reading of the related literature.

Mentoring and guidance by Faculty members of such discussions will take place.

VI. HOC Library

A HOC on line Library of latest HD related publications as well as core publications in the field will be made available to HOC registered students.

HOC Assessment and Evaluation

Formative

1. Viewing of all lectures, with Feedback provided
2. Completion of lectures related MCQs

Summative

Final MCQ (50 MCQs, pass mark 80%; contributes 50%)

HOC Certification

Successful students will be awarded:

The ***Global Kidney Academy Hemodialysis Online Course (HOC) Certificate***

Holders of the Global Kidney Academy HOC Certification will also be given privileged (at a reduced fee) access to subsequent GKA courses of their choice.

Excellence and Distinction in Hemodialysis Certificate: This will be awarded to the top 5 students based on their marks and contribution to the course activities.

Leadership in Hemodialysis Certificate: This will be awarded to students who took a lead in the On Line Case or Topic Discussions.

Students with the Certificate of Excellence & Distinction and those with the Leadership Certificate will also be made Honorary Members of the GKA OLA Faculty.

They will also qualify to become GKA Ambassadors for Hemodialysis in their countries.

They will also be invited to the annual meeting of the Elite Nephrologists School (ENES) held in Prague every March.

Those who haven't completed the course requirements would not qualify for any of the above but may be given Proof of Registration.