

PentaTr@ining 2022: ‘HIV & other Congenital Infections’ *----- An Interactive Training Course -----*

Our innovative training platform, **‘PentaTr@ining’**, is an interactive course which continues to develop and evolve in response to the changing needs of children living with HIV and other congenital infections. Since 2005, Penta has organised training programmes for healthcare workers caring for HIV infected children, using integrated distance ‘e-learning’ with an interactive residential course. The success of this unique European level training experience has encouraged Penta to repeat the same experience in 2022, readapting and updating the existing content and addressing some new topics in the management of congenital infections and HIV infected children not only in Europe, but around the globe.

Drawn from the extensive Penta ID Network, we are proud to have a fully briefed and expert teaching faculty on board which guarantees the delivery of an up-to-date and scientifically rigorous syllabus. Included among the speakers, tutors and authors of the online modules are many of the most senior frontline clinicians working in Paediatric Infectious Diseases in Europe today. Feedback from our delegates at past trainings has been overwhelmingly positive, and we continue to grow and build on the success and reputation of the previous ‘Tr@inforPedHIV’ course. To date, over 6,000 healthcare workers (including doctors, nurses, pharmacists, medical students, psychologists, and social workers) from more than 30 countries have benefitted from our training programme.

Penta is now also actively engaged in clinical research in other congenital infections, and our restyled edition of the training course now incorporates a module specifically on that topic. We have carefully listened to participant feedback and have significantly tailored the course to the address the key issues that currently face paediatric infectious disease students and healthcare workers. The key training objective of the course is to provide specialist congenital infection and HIV knowledge to doctors, nurses and other healthcare professionals working in the field, including updates on HIV and congenital infections, and new information on treatments and care for patients. Other strategic aims of the course are to link centres for clinical care and research, and to build national and international networks for future collaboration and clinical support.

The upgraded design of the online course promises an even more interactive and clinical case based training programme. It offers training materials including 6 online modules, a series of real-life case studies and treatment flow sheets, designed to test the students’ ability to manage individual cases by means of interactive case presentations, with feedback and online tutoring. Live webinars will also be incorporated into the online learning experience. Our fully immersive training course will improve the professional capacity of even the most remote and isolated care givers to manage children with HIV and other congenital infections.

By the end of the course, we expect the learner to:

- be able to diagnose and treat HIV in childhood and its complications, using Penta and World Health Organization treatment guidelines. This includes counselling families on and detecting medication side effects and drug interactions and being able to use clinical and resistance test information to appropriately sequence first and second line and subsequent medications.
- be able to advise on the prevention of mother to child transmission of HIV, and be able to supervise testing of infants exposed to maternal HIV
- take a holistic approach to HIV in childhood and adolescence, including understanding the process of transition of care and the effects of living with HIV, and the burden of stigma that goes with it
- to be able to promote adherence to antiviral therapy
- to be able to advise and treat on other important congenital infections (HBV, HCV, CMV, STIs)
- to know how to access support through clinical, research and educational networks
- to be ready to disseminate this knowledge in their own country and place of work

Moving forward we aim to further expand our training programmes in other clinical areas of our research activity – continuing to widen our network more and more, and where it matters most!

Since 2008, the training course has been an integral part of the University of Oxford 'Postgraduate Diploma in Paediatric Infectious Diseases'. If you would like to know more about the Postgraduate Diploma, please visit: <https://www.conted.ox.ac.uk/about/pgdip-in-paediatric-infectious-diseases>

Previous residential courses have been accredited by the European Union of Medical Specialists (UEMS-EACCME®). We have reapplied for accreditation for the residential component of the course in Rome this year. This is pending approval.

Online e-learning (*course starts on 25th April, 2022*)

The online course will be highly interactive and clinical case based, designed to kindle engagement and encourage intercommunication among the students and faculty team. It will consist of 6 fortnightly modules (about 90-120 minutes long), with associated pictures, infographs, tables and figures, references and links to major PID websites of interest. The modules are designed in a way that consolidates knowledge acquired as the course progresses, thus preparing delegates to be proactive participants during the face-to-face workshop.

Modules will cover the following topics:

- 1) Preventing Vertical Transmission of HIV
- 2) Congenital 'SCORTCH' Infections (incl. STIs and blood borne infections)
- 3) Children with HIV (incl. cases which link to epidemiology, virology, clinical classifications, immunology)
- 4) Treating HIV in children (incl. resistance, second line, dosing, toxicity, clinical trials)
- 5) Complexities of HIV, co-infections and co-morbidities (incl. TB, HBV, HCV, obesity, wasting)
- 6) Adolescents, Sexual Health and 'Living with HIV' (incl. injectables, adherence, PrEP, young person's view)

The design of our Learning Management System (LMS) has been specifically tailored for this training course. The learning environment is very user-friendly and provides a shared space for students and teachers to solve problems together and engage in a collaborative and synergistic building of knowledge. It maintains a learning portfolio for each participant and manages student interaction with an individually assigned online instructor. This work will be carried out in collaboration with our valued partners [ASSIST Creative Lab](#).

Pre- and post-module tests for each module will help participants and tutors to monitor the efficacy of the online learning. Discussion forums will allow for specific questions to be raised and for rewarding group interaction. The platform will provide the student with access to essential educational documents, as well as embedded video material. The e-learning platform is easy to navigate, and is also fully compatible with mobile and tablet devices. A final evaluation of the online training (questionnaire and open forum discussion) will be carried out before the residential part of the course. On submission of the course evaluation, an individual certificate of completion is awarded to the student.

Residential learning

Our experienced international faculty, including many authors and tutors of the online course, will deliver a 3-day face-to-face training workshop following the online course. The residential course embraces a true collegiate spirit, consisting of lectures, interactive working groups, real-life clinical case discussions and quizzes. Moreover, all delegates are strongly encouraged to bring with them clinical cases from their own professional experience to share and discuss with the faculty and other students during the course. The workshop is purposefully structured in a way that maximizes teacher/student interaction, encourages delegates to be proactive participants and consolidates the knowledge they will have acquired during the online component.

The residential course will be held at the Pontificia Università Urbaniana, Rome (Italy). We are mindful that face-to-face participation in the 3-day course may not be possible for everyone due to the ongoing uncertainty with the COVID-19 pandemic. As a contingency measure, we plan to run the event as a hybrid workshop (i.e. both face-to-face and 'live streamed' via Zoom) to allow delegates who find themselves unable to travel to be able to participate online. We will also provide a partial refund of the registration fee for these delegates. A certificate of participation in the training programme will be issued by Penta.

Course Directors

Dr. Steve Welch (Head of Penta Training & Education), Heartlands Hospital, Birmingham, UK

Dr. Hermione Lyall, Imperial College Health Care NHS Trust, London, UK

Dr. Caroline Foster, Imperial College Health Care NHS Trust, London, UK

Course Coordinators

Mr. Peter McEaney, Padova, Italy

Ms. Melania Kowatch, Padova, Italy

Course Dates for 2022

Registration opens: 11th February, 2022

Online course: 25th April – 17th July, 2022

Rome residential course: 28th-30th September, 2022

Course Registration fee and conditions*

Registration Fee for participants from resource-limited settings**	
	Fee
ONLINE Only	€100
RESIDENTIAL + ONLINE	€150

Registration Fee for:		
	<ul style="list-style-type: none"> Members of: EACS / CHIVA / BHIVA / ESPID / Eastern European HIV associations Non-medical healthcare professionals 	
	Early Bird Fee (Payment before/on 25 th March 2022)	Regular Fee (Payment from 26 th March 2022)
ONLINE Only	€500	€550
RESIDENTIAL + ONLINE	€700	€750

Registration Fee for other participants		
	Early Bird Fee (Payment before/on 25 th March 2022)	Regular Fee (Payment from 26 th March 2022)
ONLINE Only	€550	€600
RESIDENTIAL + ONLINE	€950	€1000

* **IMPORTANT:** the fee DOES NOT include Travel & Accommodation expenses.

** Countries included in the low-income, lower-middle-income and upper-middle-income economies list of the World Bank economy [classification](#). Applicants should provide proof of their current residence (e.g. copy of passport).

Full registration includes: individual password for access to online course, participation in the residential workshop in Rome, and final certificate of attendance.

PLEASE NOTE: Submission of your registration does not guarantee that your registration has been accepted. Your registration is finalized when full payment has been received and a receipt of your payment has been sent.

You will receive all the necessary information for the payment once you have completed the online Registration form.

Cancellation Policy

In case of cancellation the following refunds are applicable:

- Cancellation within 20 days from receipt of payment = 100% refund (minus an administration fee of €10)
- Cancellation after 20 days from receipt of payment = 50% refund

Liability and Insurance

By registering for the conference, participants agree that the organizers do not accept responsibility for medical, travel or personal insurance. Participants are strongly advised to take out their own insurance policies.

For further information please contact the course organizers or visit the Penta website:

Email: pentatraining@pentafoundation.org

Website: <https://penta-id.org>