

# PentaTr@ining 2024: '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 organized training programmes for healthcare workers caring for children living with HIV, using integrated distance 'e-Learning' with an interactive residential course. The ongoing success of this unique European level training experience has encouraged Penta to repeat the same experience in 2024, readapting and updating the existing content and addressing some new topics in the management of HIV and congenital infections in 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 8,000 healthcare workers (including doctors, nurses, pharmacists, medical students, psychologists, and social workers) from across 37 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 key updates 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, adolescents and pregnant people living 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.
- be able to counsel 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 vertical 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 our ambition is to further expand our training programmes in other clinical areas of our research activity – continuing to widen our training network more and more, and where it matters most!

From 2008 to 2024, 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 their [webpage](#).

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 this year's course.

### **Online e-Learning** (course starts on 22 April, 2024)

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

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 accurately monitor the efficacy of the online learning. Discussion forums will allow for specific questions to be raised and for rewarding group interaction. The online training dashboard will provide the student with access to essential educational documents, as well as embedded video material. Our user-friendly 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 will be held at the historic venue of University of Padua, which is just a short distance away from Venice in northern Italy. On **17<sup>th</sup>-19<sup>th</sup> September**, the university's distinguished 'School of Medicine and Surgery' will play host to our flagship PentaTr@ining event.

The residential course embraces a true collegiate spirit, consisting of lectures, interactive working groups, real-life clinical case discussions and competitive group quizzes (with prizes!). 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 training component. A personalized certificate of participation in the training programme will be issued by Penta. Furthermore, all course participants will receive enduring take-home training material at the end of the programme (i.e. presentation slides, edited video recordings, further learning tools/resources).

To all our registered delegates in attendance this year, we look forward to welcoming you to Italy!

**\*N.B.** – *The residential course is planned as an in-person workshop. A 'hybrid' delivery format will be considered in the event that more than 50% of delegates are unable to physically travel to the course.*

### **Course Directors**

Dr. Carlo Giaquinto, President of Penta Foundation, Padova, Italy

Dr. Steve Welch (Penta Training & Education Lead), UHB NHS Foundation Trust, Birmingham, UK

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

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

Dr. Alasdair Bamford, Great Ormond Street Institute of Child Health, London, UK

### Course Coordinators

Mr. Peter McEaney, Padova, Italy

Ms. Melania Kowatch, Padova, Italy

Ms. Valeria Bajura, Padova, Italy

### Course Dates for 2024

Registration Opens: 5 February, 2024

Online course: 22 April – 14 July, 2024

Residential course: 17-19 September, 2024

### Course Registration fee and conditions\*

Registration Fees			
	<u>LMIC Fee**</u>	<u>Discounted Fee***</u>	<u>Regular Fee</u>
FULL REGISTRATION (Online + Residential)	<b>€150</b>	<b>€600</b>	<b>€800</b>
RESIDENTIAL ONLY****	<b>€100</b>	<b>€250</b>	<b>€350</b>

Full registration includes: individual password for 12-month access to online course, participation in the residential workshop (incl. coffee breaks, lunches and the ‘Gala Networking’ dinner), and final certificate of attendance.

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

\*\* **LMIC Fee:** 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).

\*\*\* **Discounted Fee:** We are pleased offer a discounted registration fee rate to members of the following affiliations: EACS / ESPID / BHIVA / Chiva / Non-medical healthcare professionals.

\*\*\*\* **Residential Only:** Please note that we will continue to accept “Residential Only” registrations after the online course has begun – pending availability spaces.

**PLEASE NOTE: Submission of your registration does not guarantee that your registration has been accepted. Your registration is finalized pending review of your application, and when full payment has been received and a receipt of your payment has been sent. You will receive all necessary information for the payment once you have completed the online registration form.**

### **Cancellation Policy**

In case of cancellation the following refunds are applicable (minus an administration fee of €10):

- Cancellation within 10 days from receipt of payment = 100% refund
- Cancellation after 10 days from receipt of payment, and before 30 days of the course start = 50% refund
- Cancellation within 30 days of the course start = 25% 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.

### **Course Registration link**

<https://redcap.pentafoundation.org/surveys/?s=3DKM7KEFEMWP8PY7>



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

- E-mail: [pentatraining@pentafoundation.org](mailto:pentatraining@pentafoundation.org)
- Website: <https://penta-id.org>