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PRECEPTORSHIP

Modena HIV Metabolic Clinic (MHMC)

21, 22, 23 september 2026

Clinica Metabolica del Policlinico di Modena, Via del Pozzo, 71 - Modena

ID provider: 2683

Responsabile Scientifico: Prof. Giovanni Guaraldi

Discipline accreditate:

Medico Chirurgo: Malattie infettive

Nr crediti formativi ECM:

Ore Formative: 19

Nr Docenti: 8

Nr Tutor: 7

Nr. Partecipanti: 12

Obiettivo formativo: Nr 18 – Contenuti tecnico-professionali (conoscenze e competenze) specifici di ciascuna professione, di ciascuna specializzazione e di ciascuna attività ultraspecialistica, ivi incluse le malattie rare e la medicina di genere

Area formativa: Obiettivi formativi tecnico-professionali

Area tematica: Frailty, Polypharmacy, Deprescribing strategies, ART and polypharmacy, HAND, HABI and dementia in PWH, PROs, Cardiometabolic risk and HTE patients, HIV genotypic resistance test in HTE patients, Long acting strategies

Acronimi:

- HABI: HIV-associated brain injury
- HAND: HIV-associated neurocognitive impairment
- HTE: Heavily Treatment-Experienced
- HIV: Human Immunodeficiency Virus
- ID: Infectious diseases
- IMT: Intima-Media Thickness
- MASLD: Metabolic dysfunction-associated steatotic liver disease
- PWH: Patient with HIV
- PROs: Patient-Reported Outcomes



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RATIONALE

Future projections estimate that the proportion of older people (aged ≥ 50 years) **living with human immunodeficiency virus (PWH)** is growing and this number is expected to keep increasing.

Global aging is accompanied by an increased prevalence of age-related comorbidities, multimorbidity, polypharmacy, cognitive decline, depression, bone impairment, and frailty that are detected more frequently and/or occur at an earlier age among PWH, compared with the general population.

In this context, a geriatric assessment could provide a complete view of a patient's function, cognition, and health, and it could improve prognosis, treatment decisions and could enhance quality of care.

Furthermore, management of the older PWH includes the importance of an early diagnosis and treatment, preventative measures for comorbidities: simplifying medication regimen thereby reducing the burden of polypharmacy, and frailty.

In this perspective, the concept of appropriateness of medication prescribing, feasibility of deprescribing, assessment of physical performance and frailty have become a challenge to the correct management of older PWH.

Modena HIV Metabolic Clinic (MHMC) Preceptorship program offers a 3 days educational program with both clinical activities with **clinical practice** and **lectures**, and it aims:

- to provide knowledge to clinicians to tailor treatment regimens according to age, HIV duration, multimorbidity, polypharmacy and vaccination in older PWH;
- to recognise prevent and manage frailty and geriatric syndromes in older PWH;
- to discuss the importance of patient reported outcomes measurements and their applications in aging clinic;
- to offer strategies that may improve the future management of people aging with HIV through the presentation of a patient centred clinical approach.

Participants will acquire skills in clinical evaluation through daily rotations in the following multidisciplinary areas:

- **Skills in Clinical Evaluation 1:** Frailty, physical performance, and transient elastography
- **Skills in Clinical Evaluation 2:** Cognitive assessment
- **Skills in Clinical Evaluation 3:** Nutritional assessment and IMT evaluation



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SCIENTIFIC PROGRAM

First Day

08.30 - 09.00 **Registration**

09.00 - 09.30 **How MHMC was born, how it grows** - G. Guaraldi

09.30 - 11.00 **Skills in Clinical Evaluation (1, 2, 3)** - M. Belli, A. Lattanzi, L. Sighinolfi, G. Guaraldi

11.00 - 11.30 **Coffee break**

11.30 - 13.00 **Final clinical evaluation with ID tutor (Multidisciplinary assessment 1, 2, 3)** - G. Guaraldi, M. Menozzi, G.

Cuomo, J. Milic

13.00 - 14.30 **Lunch**

14.30 - 17.30 CLASSROOM ACTIVITY

14.30 - 14.50 **State of the Art in Cardiovascular Risk Evaluation in People Living with HIV** - G. Guaraldi
(overview of REPRIEVE, ART-related risk, and statin prescription within an integrated clinical perspective)

14.50 - 15.10 **Cardiological Contribution in the Management of Complex and Difficult-to-Treat Patients** - M. Manicardi
(imaging and cardiovascular risk enhancers in the multidisciplinary evaluation)

15.10 - 15.20 **Q&A, discussion** - All

15.20 - 15.35 **Clinical case with obesity, high CVD risk (event), sexual dysfunction, MASLD** - J. Milic

15.35 - 16.00 **Obesity, treatment in PWH** - C. Greco, M. Belli

16.00 - 16.10 **Discussion**

16.10 - 16.35 **Sexual dysfunction and hypogonadism in PWH** - S. De Vincentis

16.35 - 16.45 **Discussion**

16.45 - 17.10 **MASLD** - J. Milic

17.10 - 17.30 **Discussion and closing remarks of the 1st day**



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Second Day:

- 09.00 - 09.30 **Clinical Evaluation of Aging in People with HIV in the Context of Geroscience** - G. Guaraldi
- 09.30 - 10.30 **Skills in Clinical Evaluation (1, 2, 3)** - M. Belli, A. Lattanzi, L. Sighinolfi, G. Guaraldi
- 10.30 - 11.00 **Coffee break**
- 11.00 - 13.00 **Final clinical evaluation with ID tutor (Multidisciplinary assessment 1, 2, 3)** - G. Guaraldi, M. Menozzi, G. Cuomo, J. Milic

13.00 - 14.30 **Lunch**

14.30 - 17.30 CLASSROOM ACTIVITY

- 14.30 - 14.50 **The comprehensive Geriatric assessment** - C. Mussini
- 14.50 - 15.10 **The transition from Frailty to Intrinsic Capacity** - G. Guaraldi
- 15.10 - 15.20 **Q&A, discussion** - All
- 15.20 - 15.35 **Clinical case presentation – focus on PP, osteoporosis, neurocognitive, geriatric syndromes** - J. Milic
- 15.35 - 16.00 **From HIV associated neurocognitive impairment to HIV associated brain injury and dementia in PWH** - A. Calcagno
- 16.00 - 16.10 **Discussion**
- 16.10 - 16.35 **Osteoporosis, fracture risk assessment and treatment** - V. Rochira
- 16.35 - 16.45 **Discussion**
- 16.45 - 17.10 **A multidisciplinary Ai supported quality improvement intervention to manage polypharmacy in aging people with HIV** - J. Milic
- 17.10 - 17.30 **Discussion and closing remarks of the 2nd day**



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Third Day:

- 09.00 - 09.30 **The transition from metabolic diseases to metabolic health** - G. Guaraldi
- 09.30 - 10.30 **Skills in Clinical Evaluation (1, 2, 3)** - M. Belli, A. Lattanzi, L. Sighinolfi, G. Guaraldi
- 10.30 - 11.00 **Coffee break**
- 11.00 - 13.00 **Final clinical evaluation with ID tutor (Multidisciplinary assessment 1, 2, 3)** - G. Guaraldi, M. Menozzi, G. Cuomo, J. Milic
- 13.00 - 14.30 **Lunch**
- 14.30 - 17.00 CLASSROOM ACTIVITY**
- 14.30 - 15.00 **The Future of HIV Treatment: ART Progress, Present Challenges, and Long-Acting pipeline** - C. Mussini
- 15.00 - 15.10 **Q&A, discussion** - All
- 15.10 - 15.25 **Clinical case presentation – focus on HTE and cardiometabolic risk** - J. Milic
- 15.25 - 15.55 **HIV genotype resistance test in HTE patients: clinical use in daily practice** - C.F. Perno
- 15.55 - 16.10 **Discussion**
- 16.10 - 16.10 **Moving from research to clinical practice: how to use PROs at the bedside** - G. Guaraldi
- 16.10 - 16.30 **Post test evaluation and Closing remarks** - G. Guaraldi
- 16.30 - 17.00 **Questionario di valutazione ECM**



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Faculty

Guaraldi	Giovanni	Medicina e Chirurgia	Malattie Infettive	Professore Associato- Clinica delle Malattie Infettive e Tropicali - Azienda Ospedaliero-Universitaria di Modena, UNIMORE
Milic	Joana	Medicina e Chirurgia	Malattie infettive	Ricercatrice- Clinica delle Malattie Infettive e Tropicali - Azienda Ospedaliero-Universitaria di Modena
Calcagno	Andrea	Medicina e Chirurgia	Malattie infettive	Professore associato- Dipartimento di Scienza Mediche - Malattie Infettive - Università degli Studi di Torino
Mussini	Cristina	Medicina e Chirurgia	Malattie Infettive	Professore ordinario- Clinica delle Malattie Infettive e Tropicali, Azienda Ospedaliero-Universitaria di Modena, UNIMORE
Manicardi	Marcella	Medicina e Chirurgia	Cardiologia	Dirigente- SC Cardiologia - Azienda Ospedaliero-Universitaria Policlinico di Modena
Mussini	Cristina	Medicina e Chirurgia	Malattie Infettive	Professore ordinario- Clinica delle Malattie Infettive e Tropicali, Azienda Ospedaliero-Universitaria di Modena, UNIMORE
Perno	Carlo Federico	Medicina e Chirurgia	Oncologia	Professore Emerito- Professore di Microbiologia - Unicamillus University, Roma
Lattanzi	Antonella	Tecniche della fisiopatologia cardiocircolatoria	Scienze delle professioni sanitarie tecniche assistenziali	Docente- Dipartimento di Scienze Biomediche, Metaboliche e Neuroscienze - UNIMORE
Belli	Michela	Dietista	Dietista nutrizionista	Dietista- Clinica delle Malattie Infettive e Tropicali - Azienda Ospedaliero-Universitaria di Modena



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