



**INSTITUTE
OF MEDICINE**

ROYAL COLLEGE OF
PHYSICIANS OF IRELAND

HIGHER SPECIALIST TRAINING IN

Rheumatology and General Internal Medicine

OUTCOME-BASED EDUCATION – OBE CURRICULUM



This curriculum of Higher Specialist Training in Rheumatology was developed in 2023 and undergoes an annual review by Dr Finbar O’Shea, National Specialty Director, Dr Ann O’Shaughnessy, Head of Education, and by the Rheumatology Specialty Training Committee. The curriculum is approved by the Institute of Medicine.

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1.0	01 July 2023	Stephen Capper	New OBE Curriculum

National Specialty Directors Foreword

This curriculum is intended to guide learning and provide a road map for trainees in Rheumatology and General Internal Medicine. The Rheumatology HST Programme aims to deliver expert Rheumatologists with a broad range of clinical and academic skills. This curriculum is designed to produce well-rounded graduates with the ability to manage all common rheumatology presentations and conditions while supporting the development of subspecialty expertise and academic interests.

The Outcome Based Education (OBE) project concerns the transition of the current minimum requirements model of the rheumatology curriculum and training across to OBE, which is more in line with other countries in Europe and the US. It is one of the key initiatives of the RCPI’s Strategic Plan 2021 – 2024 which aims to enhance the quality of Ireland’s BST and HST training programmes to ensure they are aligned with international best practices and standards. This will involve a considerable change to both the structure and assessment of the curriculum and as such requires input from multiple stakeholders to ensure that any changes are valid and robust. This RCPI Higher Specialist Training Outcome Based Education Curriculum provides the framework for the training of doctors that will produce excellent clinicians competent to practice independently as Consultant Rheumatologists.

The Rheumatology HST curriculum will now be an outcomes-based program. There are six broad training goals each aligned to key areas of practice. Within each goal are a series of training outcomes that reflect the sum of day-to-day practice in Rheumatology. Trainees will demonstrate proficiencies in each outcome matched to the level of their training, progressing to independent competence in each. Trainers will link closely with their trainees assisting them and evaluating their progress on a regular basis.

In addition to clinical training, and reflecting the diversity of the specialty, the curriculum includes management, education, quality improvement and research experience. It highlights the increasing importance of case discussions, multidisciplinary meetings, and communication, especially acknowledging diagnostic and clinical uncertainty and reflecting the increasing complexity of the various Rheumatology conditions.

I hope that this document will provide guidance, both for the trainees on this journey, and to trainers, to allow for meaningful dialogue, feedback, and support. The ultimate goal of this document is to enhance training and prepare future clinical leaders in Rheumatology.

I would like to thank all the trainers that took part in the workshop and discussion group that finalised the new curriculum. I am excited to be part of the ongoing development of the Rheumatology HST programme with colleagues in the RCPI and the Trainers around the country.

I wish all our trainees good luck as they embark on their training and their clinical careers.

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1. INTRODUCTION

This section includes an overview of the training programme and of this curriculum document

1.1. Purpose of training

This programme is designed to provide training in Rheumatology and General Internal Medicine (GIM) in approved training posts, under supervision, and to fulfil agreed curricular requirements over the course of 5 years. Each post provides a trainee with a named trainer and the programme is under the direction of the National Specialty Director (NSD) for Rheumatology.

1.2. Purpose of the curriculum

The purpose of the curriculum is to define the relevant processes, contents, outcomes, and requirements to be achieved. The curriculum is structured to delineate the overarching goals, outcomes, expected learning experiences, instructional resources and assessments that comprise the Rheumatology/GIM Higher Specialist Training (HST) programme. It provides a feedback framework for successful completion of HST programme.

In keeping with developments in medical education and to ensure alignment with international best practice and standards, the Royal College of Physicians (RCPI) have implemented an Outcomes Based Education (OBE) approach. This curriculum design differs from traditional minimum based requirement designs in that the learning process and desired end-product of training (outcomes) are at the forefront of the design to provide the essential training opportunities and experiences to achieve those outcomes.

1.3. How to use the curriculum

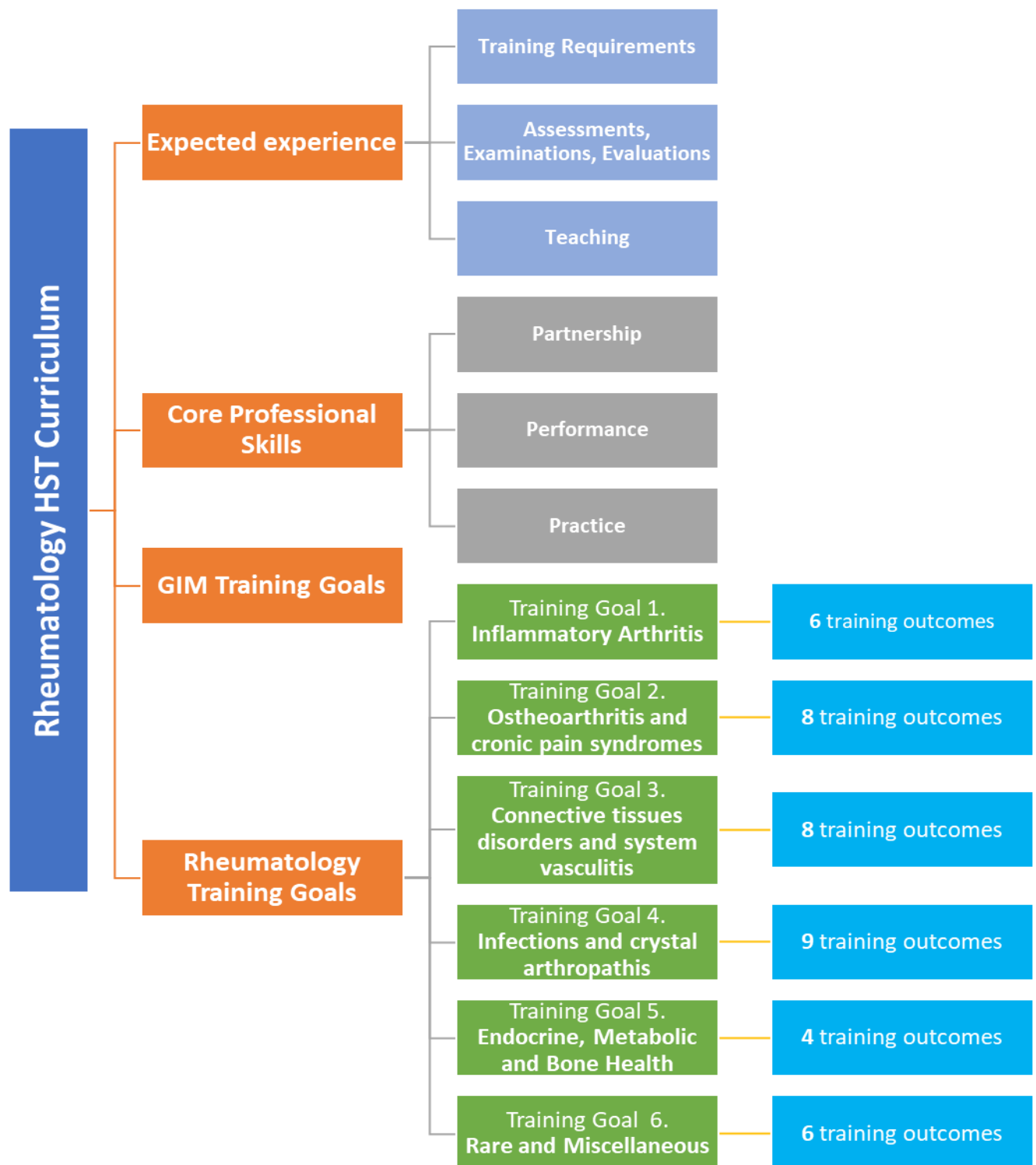
It is expected that both trainees and trainers have a good working knowledge of the curriculum and should use it as a guide for the training programme. Trainers are encouraged to use the curriculum as the foundation of their discussions with trainees, particularly during goals-setting, feedback, and appraisal processes.

Each trainee is expected to engage with the curriculum by maintaining an ePortfolio in which assessments and feedback opportunities must be recorded. The ePortfolio allows trainees to build up evidence to inform decisions on their progress at the annual reviews whilst also providing tools to support and identify further educational and development opportunities. It is imperative that the trainees keep an up-to-date ePortfolio throughout the duration of their programme.

1.4. Reference to rules and regulations

Please refer to the following sections within the Rheumatology HST Training Handbook for rules and regulations associated with this post. Policies, procedures, relevant documents, and Training Handbooks can be accessed on the RCPI website following [this link](#).

1.5 Overview of Curriculum Sections and Training Goals



2. EXPECTED EXPERIENCE

This section details the training experience that all Trainees are expected to complete over the course of the higher specialist training in Rheumatology

2.1. Duration & Organisation of Training

The duration of Higher Specialist Training (HST) in Rheumatology and General Internal Medicine (GIM) is five years, one year of which may be gained from a period of full-time research or other academic endeavour during the Out of Clinical Programme Experience (OCPE).

Core Training: Trainees must spend the first two years of training in clinical posts in Ireland before undertaking any period of research or OCPE. The earlier years of training will usually be directed towards acquiring a broad general experience of Rheumatology under appropriate supervision. An increase in the content of hands-on experience follows naturally, and, as confidence is gained and abilities are acquired, the trainee will be encouraged to assume a greater degree of responsibility and independence.

Trainees on HST programme in Rheumatology are given a rotation of posts at the start of the programme. Each rotation will provide the trainee with experience in different hospitals so as to acquire the broad range of training required. A degree of flexibility to meet the individual training needs is possible especially towards the end of the training programme following discussion with the NSDs. Each post within the programme will have a named trainer/educational supervisor and programmes will be under the direction of the NSD for Rheumatology or, in the case of GIM, the Regional Specialty Advisor. Programmes will be as flexible as possible consistent with curricular requirements, for example to allow the trainee to develop a sub-specialty interest. The experience gained through rotation around different departments is recognised as an essential part of HST. A Trainee may not remain in the same unit for longer than 2 years of clinical training; or with the same trainer for more than 1 year.

Out of Clinical Programme Experience: OCPE provides trainees enrolled in a HST programme with the opportunity to take one, or more years out of their HST programme to pursue research, further clinical training, lecturing experience, or other relevant experiences. Up to one year of training credit may be gained from a period of full-time research in a relevant area. OCPE years (research or clinical) must be preapproved, and retrospective credit cannot be applied.

Training Principles: During the period of training the trainee must take increasing responsibility for seeing patients, undertaking ward consultations, making decisions, and operating at a level of responsibility which would prepare him/her for practice as an independent Consultant. New patients should be seen throughout the training period under suitable supervision in outpatient settings and the consultant trainer should review ward consultations directly with the trainee. Supervision should be particularly close during the first one or two years. Particularly experienced trainees may undertake the running of an outpatient clinic on their own without direct consultant supervision later in the programme. At the start of each post, the Trainee is expected to fill out a Personal Goals form with their trainer and upload it on ePortfolio; the form should be agreed and signed by both Trainee & Trainer.

Generic Professional Skills: Generic knowledge, skills and attitudes support competencies that are common to good medical practice in all the medical and related specialties. It is intended that all Trainees should re-affirm those competencies during HST. No timescale of acquisition is imposed, but failure to make progress towards meeting these important objectives at an early stage would cause concern about a Trainee's suitability and ability to become an independent specialist.

Dual Specialty Training: GIM training is expected to be completed in the first 3 years of the programme. One of these years is a GIM specific year. During the other 2 years trainees must complete their GIM training as per their expected experience. Each post must include general medicine on-call commitment for acute unscheduled/emergency care with attendance at relevant post-take rounds.

Acute Medicine: There must be evidence of direct supervision of the activity of the more junior members of the “on-take” team and a minimum of 10 (480 per year) new acute medical assessments and admissions during the 24-hour period are expected. In addition, the trainee will be expected to have ongoing care/responsibility for a proportion of the patients for the duration of the clinical inpatient journey as well as the follow up post discharge. In this capacity the trainee should develop skills in non-technical aspects of care including discharge planning and end of life care.

Inpatient Responsibilities: The trainee will have front line supervisory responsibilities for general medical inpatients. This will require supervising the activities (e.g., being always available for advice) of the more junior members (SHO/Intern) of the clinical team. In addition to personal ward rounds, a minimum of two ward rounds with the consultant each week is expected for educational experience. Ongoing responsibility for shared care of the team’s inpatients whilst in the ITU/HDU/CCU is also essential. If this is not possible in a particular hospital/training institution, then a period of secondment to the appropriate unit will be required.

Outpatient Responsibilities: The trainee is expected to have personal responsibilities for the assessment and review of general medicine outpatients with a minimum of at least one consultant led GIM clinic per week. The trainee should assess new patients; access to consultant opinion/supervision during the clinic is essential. In the event of clinics being predominantly subspecialty orientated, a trainee must attend other clinics to ensure comprehensive General Internal Medicine training.

Procedures: The trainee should acquire the practical skills that are needed in the management of medical emergencies, particularly those occurring out of normal working hours. Some exposure to these skills may have occurred during the period of BST but experience must be consolidated, and competencies reviewed during HST. The procedures, with which the trainee must be familiar and show competencies in, either as essential to acquire, or as additional procedural skills i.e., desirable to acquire.

Essential & Additional Experience: The trainee will be expected to have had experience of/be familiar with the management of a wide range of cases presenting to hospitals as part of an unselected acute medical emergency “take”. Whilst trainees will not need to be expert in all these areas, they will be expected to be able to plan and interpret the results of immediate investigations, initiate emergency therapy and triage cases to the appropriate specialist care. These emergency situations have been considered under each specialty section and are indicative of what should be covered but are not prescriptive. It should form the basis of regular discussions between the trainee and trainers as training progresses. The various clinical situations listed for experience have been divided into those, which are considered “essential” and others, which are “additional”.

Recording of Evidence of training: The target numbers for training items in the following sections represent the recording requirement to document evidence of relevant and varied clinical experience; it is understood that actual number of training experiences is likely to be well in excess of these numbers.

2.2. Clinics list, Ward Rounds and Consultations, Training Activities

Attendance at Clinics, participation in Ward Rounds and Patient Consultations are required elements of all posts throughout the programme. The timetable and frequency of attendance should be agreed with the assigned trainer at the beginning of the post.

This table provides an overview of the expected experience a Trainee in Rheumatology should gain regarding clinics attendance, ward rounds and consultations. All these activities should be recorded on ePortfolio using the respective form.

While it is recognised the opportunity to experience these training activities may not be available at every site, these activities can be captured at other sites over the course of the training program, providing the expected experience number is met.

ON CALL ROTA		
Unselected Admissions for General Internal Medicine (Completed in first 3 years)		
Clinic	Expected Experience	ePortfolio Form
GIM Year	Record 480 over the course of HST	Clinical Activities
Dual Specialty Year	Record 480 over the course of HST	
OUTPATIENT CLINICS		
Type	Expected Experience	ePortfolio Form
General Rheumatology	Attend at least 1 per week of training in Rheumatology, record attendance	Clinics
Early Arthritis	Attend at least 1 per month of training in Rheumatology, record attendance	
Subspecialty Rheumatology	Attend at least 1 per month of training in Rheumatology, record attendance	
WARD ROUNDS/CONSULTATIONS		
Type	Expected Experience	ePortfolio Form
Consultant Led	Attend at least 1 per week, record attendance	Clinical Activities
SpR Led	Attend at least 3 per week, record attendance	
Consultations	Attend at least 2 per week, record attendance	
EMERGENCIES/COMPLICATED CASES		
Type	Expected Experience	ePortfolio Form
Diagnosis of nature of problem and its presentation, emergency case for investigation (minimum of 10 Rheumatology case per year)	Record 10 cases per year of training in Rheumatology.	Cases
ADDITIONAL SPECIAL EXPERIENCE/LABORATORY EXPERIENCE		
Type	Expected Experience	ePortfolio Form
Immunology	Record 1 over the course of HST (desirable not expected)	Laboratory Activities/Additional Special Experience
MANAGEMENT EXPERIENCE		
Type	Expected Experience	ePortfolio Form
Management Experience	Record 1 over the course of HST	Management Experience

2.3 Procedural/Practical/Surgical Skills in Rheumatology

Trainees are expected to complete and record a minimum number of certain procedures which are essential in Rheumatology.

This table summarises the **minimum expected training per each procedure per each year of training**, simply log the procedures on ePortfolio and complete the related DOPS Assessment as indicated:

PROCEDURES, PRACTICAL/SURGICAL SKILLS EXPECTED EXPERIENCE PER EACH YEAR/PER PROGRAMME			
Type	Expected Experience	Perform DOPS Assessment	ePortfolio Form
Crystal analysis	Record 5 per year of HST	At least 1 DOPS assessment over the course of HST (Desirable)	Procedures, Skills & DOPS
Microscopy	Record 1 per year of HST	At least 1 DOPS assessment over the course of HST (Desirable)	
JOINTS INJECTIONS			
	Expected Experience	Perform DOPS Assessment	ePortfolio Form
Joint aspiration and injection	Record at least 1 per year of HST	At least 1 DOPS assessment per year of HST	Procedures, Skills & DOPS
1 ST CMC Joint	Record at least 1 per year of HST	At least 1 DOPS assessment over the course of HST	
Wrist Joint	Record at least 1 per year of HST	At least 1 DOPS assessment over the course of HST	
Shoulder joint – medial approach	Record at least 4 per year of HST	At least 1 DOPS assessment over the course of HST	
Knee joint - medial approach	Record at least 4 per year of HST	At least 1 DOPS assessment over the course of HST	
Knee joint – lateral approach	Record at least 4 per year of HST	At least 1 DOPS assessment over the course of HST	
1 st MTP joint	Record at least 1 per year of HST	At least 1 DOPS assessment over the course of HST	
Ankle joint	Record at least 1 per year of HST (Desirable)	At least 1 DOPS assessment over the course of HST (Desirable)	
SOFT TISSUE INJECTIONS			
Type	Expected Experience	Perform DOPS Assessment	ePortfolio Form
De Quervain's tenosynovitis	Record at least 1 over the course of HST	At least 1 DOPS assessment over the course of HST	

Lateral epicondylitis	Record at least 1 over the course of HST	At least 1 DOPS assessment over the course of HST	Procedures, Skills & DOPS
Subacromial bursa	Record at least 1 over the course of HST	At least 1 DOPS assessment over the course of HST	
Trochanteric bursitis	Record at least 1 over the course of HST	At least 1 DOPS assessment over the course of HST	
Hand-flexor tendon nodule	Record at least 1 over the course of HST	At least 1 DOPS assessment over the course of HST	
Carpal tunnel	Record at least 1 over the course HST (Desirable)	At least 1 DOPS assessment over the course of HST (Desirable)	
Mortons neuroma	Record at least 1 over the course HST (Desirable)	At least 1 DOPS assessment over the course of HST (Desirable)	
Plantar fascia	Record at least 1 over the course HST (Desirable)	At least 1 DOPS assessment over the course of HST (Desirable)	
DOPS NON-CLINICAL			
Type	Expected Experience	Perform DOPS Assessment	ePortfolio Form
Supervised use of polarizing microscopy	Record at least 1 over the course HST (Desirable)	At least 1 DOPS assessment over the course of HST (Desirable)	

2.4 In-house commitments

Trainees are expected to attend a series of in-house commitments as follows:

- Attend at least **2 Grand Rounds per month** (Desirable to present at 1 per year)
- Attend at least **1 Journal Club per month**
- Attend at least **1 Radiology conference per month**
- Attend at least **1 MDT Meeting per month**
- Attend at least **1 Specialist Lecture per year** (attend and participate in a range of learning experiences including but not limited to, journal clubs, in-house teaching sessions, case discussions/conferences etc.)
- Attend at least **1 Specialist Seminar per year** (attend and participate in a range of learning experiences including but not limited to, journal clubs, in-house teaching sessions, case discussions/conferences etc.)
- Attend at least **1 Irish Society of Rheumatology Meeting per year**
- Attend at least **1 Pathology Conference per year** (Desirable)

2.5 Evaluations, Assessments and Examinations

Trainees are expected to:

- Complete **4 quarterly evaluations per training year** (1 evaluation per quarter)
- Complete **1 end of post evaluation at the end of each post** (this can replace the quarterly evaluation in happening at the end of a post)
- Complete **1 end of year evaluation at the end of each training year** (the end of year evaluation is an opportunity for the trainee to provide evidence of their training journey and demonstrate progress against the key competencies of the training programme. It allows the panel to evaluate performance, challenges, and areas of improvement. Due to the importance of this evaluation, the NSD reserves the right to request this process to be conducted in-person)
- Complete **4 Case Based Discussion (CBD) per each training year**
- Complete **4 MiniCEX per each training year**
- Complete all the **workplace-based assessments** as outlined in the table above and as agreed with Trainer.
- Complete **EUALR Online Courses/Exams** (Recommended)
- Complete **relevant ISCD Course** (Recommended)

For more information on evaluations, assessment, and examinations, please refer to the [Assessment Appendix](#) at the end of this document.

2.6 Research, Audit and Teaching experiences

Trainees are expected to complete the following activities:

- Deliver **10 teaching sessions** (to include tutorials, lectures, bedside teaching, etc.) per each year of HST

- Complete **1 Audit or Quality Improvement Project**, per each year of HST
- Attend **1 National or International Meeting**, per each year of HST

In addition, it is desirable that Trainees aim to

- Deliver **1 Oral presentation or Poster**, per each year of HST
- Complete **1 research project**, over the course of 5 years of HST
- Complete **2 publications**, over the course of 5 years of HST

2.7 Teaching attendance

Trainees are expected to attend the majority of the courses and study days as detailed in the [Teaching Appendix](#), at the end of this document.

2.8 Summary of Expected Experience

Experience Type	Expected	ePortfolio form
Rotation Requirements	Complete all requirements related to the posts agreed	n/a
Personal Goals	At the start of each post complete a Personal Goals form on ePortfolio, agreed with your trainer and signed by both Trainee & Trainer	Personal Goals
On-call Commitments	Partake in on-call commitments in Rheumatology and GIM for the full duration of the programme and record attendance on ePortfolio	Clinical Activities
Clinics	Attend Rheumatology outpatient and Subspecialty Clinics as agreed with your trainer and record attendance per each post on ePortfolio	Clinics
Ward Rounds/Consultations	Gain experience in clinical handover and ward rounds as agreed with your trainer and record attendance per each post on ePortfolio	Clinical Activities
Emergencies/Complicated Cases	Gain experience in clinical emergencies/complicated cases as indicated above and as agreed with Trainer. Record cases on ePortfolio	Cases
Procedures, Practical/Surgical Skills	Gain experience in procedural, practical, surgical skills as indicated above and as agreed with Trainer. Record experience on ePortfolio	Procedures, Skills & DOPS
Additional/Special Experience	Gain additional/special experience as indicated above and as agreed with Trainer. Record cases on ePortfolio	Additional Special Experience/Cases
Management Experience	Gain experience in clinical management and leadership functions and as agreed with Trainer. Record attendance per each post on ePortfolio	Management Experience
Deliver Teaching	Record on ePortfolio all the occurrences where you have delivered Tutorials, Lectures and Bedside teaching. Record 10 examples.	Delivery of Teaching

Research	Desirable Experience: actively participate in research, seek to publish a paper and present research at conferences or national/international meetings	Research Activities
Publication	Desirable Experience: complete 2 publication during the training programme	Additional Professional Activities
Presentation	Desirable Experience: deliver 1 oral presentation or poster per each year of training	Additional Professional Activities
Audit and QI	Complete and report on an audit or Quality Improvement (QI) per each year of training, either to start, continue or complete	Audit and QI
Attendance at Hospital Based Learning	Each month attend at least 2 Grand Round, 1 Journal Club, 1 Radiology Conference, 1 MDT Meeting. Attend 1 Specialist Seminar and 1 Lecture per year. Record attendance on ePortfolio	Attendance at Hospital Based Learning
National/International Meetings	Attend 1 per year of training	Additional Professional Activities
Teaching Attendance	Attend courses and Study Days as detailed in the Teaching Appendix	Teaching Attendance
Workplace-based Assessments	Complete all the workplace-based assessment as outlined above and as agreed with Trainer. Record respective form on ePortfolio	CBD/DOPS/MiniCEX
Examinations	Desirable Experience which can be recorded on ePortfolio	Examinations
Evaluations and Assessments	Complete a Quarterly Assessment/End of post assessment with your trainer 4 times in each year. Discuss your progress and complete the form.	Quarterly Assessments/End-of-Post Assessments
End of Year Evaluation	Prepare for your End of Year Evaluation by ensuring your portfolio is up to date and your End of Year Evaluation form is initiated with your trainer.	End of Year Evaluation

3. CORE PROFESSIONAL SKILLS

This section includes the Medical Council guidelines for medical professional conduct, regarding Partnership, Performance and Practice.

These principles are woven within training practice and feedback is formally provided in the Quarterly Evaluations, End of Post, End Year Evaluation.

Partnership

Communication and interpersonal skills

- Facilitate the exchange of information, be considerate of the interpersonal and group dynamics, and have a respectful and honest approach
- Engage with patients and colleagues in a respectful manner
- Actively listen to the thoughts, concerns, and opinions of others
- Consider data protection, duty of care and appropriate modes of communication when exchanging information with others

Collaboration

- Collaborate with patients, their families, and your colleagues to work in the best interest of the patient, for improved services and to create a positive working environment
- Work cooperatively with colleagues and team members to deliver an excellent standard of care
- Seek to build trust and mutual respect with patients
- Appropriately share knowledge and information, in compliance with GDPR guidelines
- Take on-board available, relevant feedback

Health Promotion

- Communicate and facilitate discussion around the effect of lifestyle factors on health and promote the ethical practice of evidence-based medicine
- Seek up-to-date evidence on lifestyle factors that:
 - negatively impact health outcomes
 - increase risk of illness
 - positively impact health and decrease risk factors
- Actively promote good health practices with patients individually and collectively

Caring for patients

- Take into consideration patient's individuality, personal preferences, goals, and the need to provide compassionate and dignified care
- Be familiar with
 - Ethical guidelines
 - Local and national clinical care guidelines
- Act in the patient's best interest
- Engage in shared decision-making and discuss consent

Performance

Patient safety and ethical practice

- Put the interest of the patient first in decisions and actions
- React in a timely manner to issues identified that may negatively impact the patient's outcome
- Follow safe working practices that impact patient's safety
- Understand ethical practice and the medical council guidelines
- Support a culture of open disclosure and risk reporting
- Be aware of the risk of abuse, social, physical, financial, and otherwise, to vulnerable persons

Organisational behaviour and leadership

- The activities, personnel and resources that impact the functioning of the team, hospital, and health care system
- Understand and work within management systems
- Know the impacts of resources and necessary management
- Demonstrate proficient self-management

Wellbeing

- Be responsible for own well-being and health and its potential impact on the provision of clinical care and patient outcomes
- Be aware of signs of poor health and well-being
- Be cognisant of the risk to patient safety related to poor health and well-being of self and colleagues
- Manage and sustain your own physical and mental well-being

Practice

Continuing competence and lifelong learning

- Continually seek to learn, improve clinical skills and understand established and emerging theories in the practice of medicine
- Meet career requirements including those of the medical council, your employer, and your training body
- Be able to identify and optimise teaching opportunities in the workplace and other professional environments
- Develop and deliver teaching using appropriate methods for the environment and target audience

Reflective practice and self-awareness

- Bring awareness to your actions and decisions and engage in critical appraisal of your own work to drive lifelong learning and improve practice
- Pay critical attention to the practical values and theories which inform everyday practice
- Be aware of your own level of practice and your learning needs
- Evaluate and appraise your decisions and actions with consideration as to what you would change in the future
- Seek to role model good professional practice within the health service

Quality assurance and improvement

- Seek opportunities to promote excellence and improvements in clinical care through the audit of practice, active engagement in and the application of clinical research and the dissemination of knowledge at all levels and across teams
- Gain knowledge of quality improvement methodology
- Follow best practices in patient safety
- Conduct ethical and reproducible research

4. GENERAL INTERNAL MEDICINE SECTION

This section includes the General Internal Medicine requirements that the Trainee should demonstrate proficiency in by the end of the higher specialist training.

In order to demonstrate proficiency, it is recommended to agree the most appropriate training and assessment methods with the assigned Trainer.

By the end of Higher Specialist Training the Trainee will be able to identify and treat immediate life-threatening causes of common medical presentations, form a differential diagnosis for non-life-threatening cases and effectively manage the patient including further investigation and appropriate referral. They will have acquired a broad range of procedural and clinical skills to manage diverse presentations.

Assessment and Learning Methods

Learning opportunities during HST are through:

- Self-Directed Learning
- Attendance at Study days
- Participation in In-house activities
- Unselected acute on call
- General Medicine outpatient clinics
- Department education sessions (black box, journal club, tutorials)
- Completion of Required courses
- Attendance at additional learning events such as recommended courses and masterclasses

Progress is assessed through:

- Case Based Discussion (CBD)
- ePortfolio
- Annual assessment
- Direct Observation of Procedural Skills (DOPS)
- Mini Clinical Examination Exercise (MiniCEX)

In the Acute Setting

During the course of HST the trainee will encounter common acute presentations and will be expected to demonstrate the following competencies:

- Recognising and assessing urgency
- Stabilising the patient
- Prioritising
 - Tasks
 - Investigations
- Managing co-existing morbidities
- Making appropriate referrals
- Decision making and appropriate delegation

The presentations listed in this section represent the most common acute presentations and conditions currently seen in Irish hospitals, accounting for over 95% of admissions. It is expected that

HST trainees in general internal medicine will have a comprehensive knowledge of, and be able to provide a differential diagnosis for, these conditions.

Presentations

1. Shortness of breath
2. Cough
3. Chest Pain
4. Blackout/ Collapse/ Dizziness
5. The frail older patient in the acute setting
6. Abdominal Pain
7. Fever
8. Alcohol and substance dependence or withdrawal
9. Falls and Decreased mobility
10. Weakness and Paralysis
11. Headache
12. Limb Pain and/or Swelling
13. Nausea and Vomiting
14. Seizure
15. Diarrhoea
16. Delirium/Acute confusion
17. Acute Psychological illness
18. Palpitations
19. Hepatitis or Jaundice
20. Gastrointestinal Bleeding
21. Haemoptysis
22. Rash
23. Acute Back Pain
24. Poisoning and Drug Overdose
25. Hyper-glycaemia

Emergency Management

Recognising and managing emergency cases including:

- Acute Coronary Syndrome
- Acute Kidney Injury
- Acute Respiratory Failure
- Acute Seizure
- Anaphylaxis / Angioedema
- Cardio-respiratory arrest
- Critical electrolyte abnormalities (calcium, sodium, potassium)
- Hypo- or Hyperglycaemia
- Sepsis and septic shock
- Stroke/ TIA
- The unconscious patient
- Unstable hypotensive patient

Skills and Knowledge in General Medicine Setting

By the end of Higher Specialist Training, the Trainee should know life threatening causes, clinical feature, classifications, investigations, and management, including indications for urgent referral, for common general medicine presentations. The following outlines commonly associated features, causes and/or routes of investigation for these presentations, both acutely and for ongoing case management, the trainee is expected to know and the competencies they are expected to demonstrate.

When a patient presents with a general medicine complaint the trainee is expected to demonstrate an ability to:

- Assess their signs and symptoms, formulating a differential diagnosis
 - Take history as part of an investigation
 - Undertake primary assessment
 - Recognise and assess urgency
 - Undertake secondary assessment
- Initiate appropriate investigations
 - Interpret results for common investigations
- Initiate appropriate treatment, including stabilising the patient where necessary
- Manage co-existing morbidities
- Manage on-going cases including
 - confirming a diagnosis for those not requiring urgent referral
 - assessing response to initial treatment
 - recognising signs to escalate management when needed
- Appropriately refer based on:
 - Response to treatment
 - Local guidelines
 - Culture
 - Self-awareness of their own knowledge and ability
 - Services available
- Provide ongoing management of the case

Shortness of breath

When a patient presents with shortness of breath a trainee is expected to demonstrate knowledge of the clinical feature, classifications, appropriate investigations and necessary management, including indications for urgent referral, for common causes.

- Life threatening causes of breathlessness
 - Airway Obstruction
 - Acute severe asthma
 - Acute exacerbation of COPD
 - Pulmonary oedema
 - Tension pneumothorax
 - Acute presentations of Ischaemic heart disease
 - Acute severe left ventricular failure
 - Dysrhythmia
 - Pulmonary embolus
 - Cardiac tamponade
 - Metabolic acidosis

Cough

When a patient presents a cough a trainee is expected to demonstrate knowledge of the clinical feature, classifications, appropriate investigations and necessary management, including indications for urgent referral, for the common causes.

- Common causes of acute cough
 - Viral and Pertussis type cough
 - Acute bronchitis
 - Pneumonia
 - Tuberculosis
 - Lung cancer
 - Understand the relevance of subacute and chronic cough
 - Common causes (Asthma, Upper airway, GORD)
 - When to refer for assessment of lung cancer
 - Consideration of Interstitial lung disease

Chest Pain

When a patient presents with chest pain a trainee is expected to demonstrate knowledge of the clinical feature, classifications, appropriate investigations and necessary management, including indications for urgent referral, for common causes.

- Life threatening causes of chest pain
 - Myocardial infarction
 - Dissecting aortic aneurysm
 - Pulmonary emboli
 - Tension pneumothorax
 - Oesophageal rupture
- Clinical features of:
 - Cardiac chest pain
 - Chest pain caused by respiratory disease and oesophageal rupture
 - Chest pain caused by gastrointestinal disease
 - Chest wall pain
 - Functional chest pain

Blackout / Collapse / Dizziness

When a patient blacks out, collapses or presents with dizziness a trainee is expected to demonstrate that they know the life-threatening causes, clinical feature, classifications, appropriate investigations and necessary management, including indications for urgent referral, for the common causes.

- Stroke
 - Cerebral infarction
 - Primary intracerebral haemorrhage
 - Subarachnoid haemorrhage
- Syncope
 - Cardiac causes (arrhythmia, cardiogenic shock)
 - Vasovagal syncope
 - Postural hypotension (e.g., drugs, neurocardiac, autonomic)
 - Localised vascular disease (posterior circulation)
 - Metabolic causes (e.g., hypoglycaemia)
- Seizures and epilepsy

Management of the frail older patient in the acute setting

When a frail older patient presents a trainee is expected to demonstrate knowledge of the appropriate approach to assessment, risk factors, appropriate investigations and necessary management, including indications for urgent referral, for this population.

- Understand the broad differential diagnosis and management of complex multi-morbid illness in older patients
- Approach to investigation and management of recurrent Falls
- Non-pharmacological and pharmacological management of behavioural complications of dementia
- Investigation of causes, non-pharmacological and pharmacological management of Delirium
- Polypharmacy and inappropriate prescribing in older patients (e.g. renal dose adjustment)
- Medical management of nursing home residents- identifying aspiration risk
- Palliative care and pain management in the acute setting
- Acute stroke thrombolysis delivery and criteria for referral for intravascular intervention
- Completion of NIHSS stroke scale

Abdominal Pain

When a patient presents with abdominal pain a trainee is expected to demonstrate knowledge of the life threatening causes, clinical feature, classifications, appropriate investigations and necessary management, including indications for urgent referral, for the common causes.

- Initial assessment of abdominal pain
- Differential Diagnosis:
 - Intra-abdominal
 - Gastrointestinal
 - Vascular (aneurysm, ischemia)
 - Urological
 - Gynaecological
 - Extraabdominal causes of pain
- Ability to identify and initiate management of life-threatening conditions causes of abdominal pain
- Indications for surgical consultation and urgent referral
- Identifying constipation and urinary retention in older patients

Fever

When a patient presents with fever a trainee is expected to demonstrate knowledge of the life-threatening causes, clinical feature, classifications, appropriate investigations and necessary management, including indications for urgent referral, for the common causes.

- Recognize the symptoms and signs of sepsis
- Identify common causes of fever
 - Infection
 - Non-infectious including PE, Drugs, vasculitis,
- Delivery of initial management of septic patient
- Knowledge of the choice of empiric and infection targeted antibiotics

Alcohol and substance dependence or withdrawal

When a patient presents with dependence or withdrawal a trainee is expected to demonstrate that they know the classifications and necessary management, including indications for referral.

- Recognition
- Psychosocial dysfunction
- Autonomic disturbances
- Stress and panic disorders
- Insomnia and sleep disturbance
- Understand the role of psychiatrist and referral to rehabilitation services

Falls and Decreased mobility

When a patient falls or presents with decreased mobility a trainee is expected to demonstrate knowledge of the life-threatening causes, clinical feature, classifications, appropriate investigations, and necessary management, including indications for urgent referral, for the common causes.

- Common medical and social causes of falls in medical patients
- Complications of falls
 - Fractures including the neck of the femur
 - Intracranial injury
 - Rib fracture and pneumothorax
 - Loss of mobility and independence

Weakness and Paralysis

When a patient presents with weakness or paralysis a trainee is expected to demonstrate knowledge of the life-threatening causes, clinical feature, classifications, appropriate investigations and necessary management, including indications for urgent referral, for the common causes.

- Stroke/ space occupying lesion
- Spinal cord injury
- Underlying neurological causes: e.g. multiple sclerosis, Guillain-Barre syndrome
- Infections and diseases causing weakness

Headache

When a patient presents with headache a trainee is expected to demonstrate knowledge of the life-threatening causes, clinical feature, classifications, appropriate investigations and necessary management, including indications for urgent referral, for the common causes.

- Clinical classifications of headache
- Headache with altered neurological and focal signs
- Headache with features suggestive of raised intracranial pressure
- Headache with papilloedema
- Headache with fever
- Headache with extracranial signs
- Headache with no abnormal signs
- Drugs and toxins

Limb Pain and/or Swelling

When a patient presents with limb pain or swelling a trainee is expected to demonstrate knowledge of the life-threatening causes, clinical feature, classifications, appropriate investigations and necessary management, including indications for urgent referral, for the common causes.

- As a result of injury
- As a result of an underlying medical condition
 - Undifferentiated inflammatory arthritis

Nausea and Vomiting

When a patient with nausea and vomiting a trainee is expected to demonstrate knowledge of the life-threatening causes, clinical feature, classifications, appropriate investigations and necessary management, including indications for urgent referral, for the common causes.

- Understanding of common causes
 - Abdominal
 - Acute Gastroenteritis
 - PUD
 - Pancreatitis
 - Acute hepatitis
 - Bowel obstruction
 - Central Causes (CNS)
 - Poisoning and Medications
- Management
 - Identification of underlying cause
 - Control of symptoms
 - Treating dehydration

Seizure

When a patient presents with seizures a trainee is expected to demonstrate knowledge of the life-threatening causes, clinical feature, classifications, appropriate investigations and necessary management, including indications for urgent referral, for the common causes.

- Causes
 - Unprovoked seizures/epilepsy
 - Seizures associated with metabolic, toxic and system illness
 - Cerebral hypoxia
 - Seizures associated with drugs and toxic substances
- Management
 - Emergency supportive treatment
 - Anticonvulsant treatment
 - Work up of first presentation with seizure
 - Understand driving implications for patients with seizures

Diarrhoea

When a patient presents with diarrhoea a trainee is expected to demonstrate knowledge of the life-threatening causes, clinical feature, classifications, appropriate investigations and necessary management, including indications for urgent referral, for the common causes.

- Classification
 - Osmotic
 - Secretary
 - Exudative
- Causes
 - Infectious
 - Inflammatory
 - Ischemic
 - Malignant
- Complications
- Management
 - Acute management
 - Knowledge of appropriate investigations
 - Recognition of associated complications
 - Role of antibiotics
 - When to refer to gastroenterology.

Delirium/Acute confusion

When a patient presents with delirium or acute confusion a trainee is expected to demonstrate knowledge of the life-threatening causes, clinical feature, classifications, appropriate investigations and necessary management, including indications for urgent referral, for the common causes.

- Clinical features of acute confused state- differentiating delirium, dementia, depression and psychosis
- Causes of delirium
- Use of screening instruments for delirium and/or cognitive impairment
- Clinical features of acute delirium
- Clinical features of acute functional psychosis
- Causes of confused state associated with alcohol abuse- delirium tremens, Wernicke's encephalopathy
- Drug induced/related confusion/delirium
- Bacterial meningitis, Viral encephalitis
- Subarachnoid haemorrhage/ subdural haematoma

Social issues

When a patient presents with social issues a trainee is expected to demonstrate knowledge of the appropriate approach to assessment, risk factors, appropriate investigations and necessary management, including indications for urgent referral, for this population.

- Managing medical conditions with an uncooperative patient
- Identifying potential elder abuse
- Recognising substance abuse
- Basic principles of psychiatry
- Recognising an at risk patient

Palpitations

When a patient presents with palpitations a trainee is expected to demonstrate knowledge of the life-threatening causes, clinical feature, classifications, appropriate investigations and necessary management, including indications for urgent referral, for the common causes.

- Anxiety
- Exercise induced
- In relation to pre-existing conditions including
 - Thyroid disease
 - Anaemia
 - Fever
 - Dehydration
 - Low blood sugar
 - Low blood pressure
- Resulting from medications or toxins
- Hormonal changes
- After prior myocardial infarct
- Coronary artery disease
- Other heart problems including congestive heart failure, heart valve or heart muscle problems

Hepatitis or Jaundice

When a patient presents with hepatitis or jaundice a trainee is expected to demonstrate knowledge of the life-threatening causes, clinical feature, classifications, appropriate investigations and necessary management, including indications for urgent referral, for the common causes.

- Incubation and prodromal phase
- Virus-specific
- Toxic hepatitis
- Autoimmune
- Acute liver failure

Gastrointestinal Bleeding

When a patient presents with gastrointestinal bleeding a trainee is expected to demonstrate knowledge of the life-threatening causes, clinical feature, classifications, appropriate investigations and necessary management, including indications for urgent referral, for the common causes.

- Understanding of the initial assessment and stabilization of patients with GI bleeding
- Understanding of haemovigilance and blood transfusion protocols
- Upper gastrointestinal bleeding including
 - Peptic ulcer Disease
 - Gastritis
 - Esophageal varices
 - Mallory-Weiss tears
 - Gastrointestinal cancers
 - Inflammation of the gastrointestinal lining from ingested material
- Lower gastrointestinal bleeding including
 - Diverticular disease
 - Gastrointestinal cancers
 - Inflammatory bowel disease (IBD)
 - Infectious diarrhoea
 - Angiodysplasia
 - Polyps
 - Haemorrhoids and anal fissures

Haemoptysis

When a patient presents with haemoptysis a trainee is expected to demonstrate knowledge of the life-threatening causes, clinical feature, classifications, appropriate investigations and necessary management, including indications for urgent referral, for the common causes.

- Recognition and Management of massive Haemoptysis
- Common causes of haemoptysis
 - Acute and chronic bronchitis
 - Tuberculosis
 - Lung cancer
 - Pneumonia
 - Bronchiectasis
 - Pulmonary Embolus
 - Alveolar Haemorrhage (vasculitis)

Rash

When a patient presents with a rash a trainee is expected to demonstrate knowledge of the life-threatening causes, clinical feature, classifications, appropriate investigations and necessary management, including indications for urgent referral, for the common causes.

- Urticaria
- Anaphylaxis and Angio Oedema
- Erythroderma and exfoliation
- Psoriasis and seborrhoeic/contact dermatitis
- Purpura and vasculitis
- Blistering eruptions
- Infections and the skin

Acute Back Pain

When a patient presents with acute back pain a trainee is expected to demonstrate knowledge of the life-threatening causes, clinical feature, classifications, appropriate investigations and necessary management, including indications for urgent referral, for the common causes.

- Non-specific acute back pain
- Causes of chronic low back pain
- Neurologic findings in back pain
- Identifying serious aetiologies of back pain e.g.,
 - Cancer
 - Fracture
 - Infection

- Cauda equina syndrome

Poisoning and Drug Overdose

When a patient presents with poisoning or overdose a trainee is expected to demonstrate knowledge of the life-threatening causes, clinical feature, classifications, appropriate investigations, and necessary management, including indications for urgent referral, for the common causes.

- Diagnostic clues in the assessment of overdoses
- Identification of toxic agent (paracetamol, SSRI, benzodiazepines, opiates, amphetamines, TCAD)
- Immediate management
- Mental health assessment and definitive care

Hyper-glycaemia

When a patient presents with hyper-glycaemia a trainee is expected to demonstrate knowledge of the life-threatening causes, clinical feature, classifications, appropriate investigations, and necessary management, including indications for urgent referral, for the common causes.

- Symptoms of acute hyper-glycaemia
- Recognition and Management of diabetic ketoacidosis
- Recognition and management of Hyperosmolar non-ketotic hyperglycaemic states

Procedures

By the end of Higher Specialist Training the Trainee will be expected to develop proficiency in common procedures required for general internal medicine.

Abdominal paracentesis under ultrasound

ECG Interpretation

Emergency DC cardioversion

- Up to date ACLS training to cover:
 - Necessity of Synchronised Shock
 - Starting voltage
 - Safe use of Defibrillator

Emergency care of tracheostomy

- In cases of:
 - Cardiac arrest
 - Dealing with a compromised airway

Femoral venous lines with ultrasound guidance

- Ultrasound guided femoral venous line placement
- Anatomical markers for femoral veins
- Safe cannulation of vein
- Secure line in place/review position on X-ray

Intercostal drain under ultrasound

- Anatomical markings
- Insertion of intercostal tube (small bore seldinger)
- Connection to underwater seal and secure in place
- Assessment and management of drain
- Safe removal of the tube

Joint aspiration

- Sterile field
- Fluid analysis
- Injectable compounds

Lumbar puncture

- Anatomical markers
- Cannula selection
- Safe puncture including appropriate preparation
- Measurement of CSF pressure
- Removal of samples and interpretation of results
- Management of post lumbar puncture headache

Non-invasive Ventilation

- Principles of BIPAP and CPAP
- Monitoring and limitations
- Mask fitting
- Understanding of pressures

Pleural and ascitic fluid aspiration under ultrasound

- Safe approach and role of ultrasound guidance
- Puncture pleural / peritoneal space
- Withdrawal of fluid

General Internal Medicine Procedures Requirements Map

Trainees are expected to complete and record a minimum number of certain procedures which are essential in general internal medicine.

This table summarises the **minimum expected training per each procedure over the course of HST**, simply log the procedures on ePortfolio and complete the related DOPS Assessment as indicated:

Activity	Expected Experience & DOPS Assessments	ePortfolio form name
BIPAP/CPAP	Complete 10 procedures and 1 DOPS over the course of HST	Procedures, Skills and DOPS
Emergency DC cardioversion	Complete 10 procedures and 1 DOPS over the course of HST	
ECG interpretation	Complete 50 procedures and 1 DOPS over the course of HST	
Joint aspiration	Complete 4 procedures and 1 DOPS	
Lumbar puncture	Complete 20 procedures and 1 DOPS over the course of HST	
Abdominal paracentesis – under ultrasound	Complete 4 procedures and 1 DOPS over the course of HST (Desirable)	
Femoral venous line placement – under ultrasound	Complete 1 procedure and 1 DOPS over the course of HST (Desirable)	
Pleural aspiration – under ultrasound	Complete 4 procedures and 1 DOPS over the course of HST (Desirable)	
Intercostal drain Insertion – under ultrasound	Complete 1 procedure	

5. SPECIALTY SECTION – RHEUMATOLOGY TRAINING GOALS

This section includes the Rheumatology Training Goals that the Trainee should achieve by the end of the higher specialist training.

Each Training Goal is broken down into specific and measurable training outcomes.

*Under each outcome there is an indication of the **suggested** assessment/learning opportunities.*

In order to achieve the outcomes it is recommended to agree the most appropriate assessment methods with the assigned Trainer.

Training Goal 1 – Inflammatory Arthritis

By the end of year 1 of Rheumatology Training, the Trainee is expected to achieve proficiency in history-taking, examinations, formulation of a differential diagnosis and development of a basic management plan.

By the end of year 3 of Rheumatology Training, the Trainee is expected to perform a comprehensive assessment and be able to evaluate the various advanced treatment strategies appropriate to the complexity of the patient.

OUTCOME 1 – HISTORY TAKING AND EXAMINATION

For the Trainee to perform a detailed and focused history and examination **(End of Year 1)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX or CBD) as indicated by Trainer

OUTCOME 2 – DIFFERENCES IN CLINICAL PRESENTATIONS AND PATHOPHYSIOLOGY

For the Trainee to discuss the differences in clinical presentations and pathophysiology of inflammatory arthritis **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX or CBD) as indicated by Trainer

EULAR Online Course Modules/Exams

OUTCOME 3 – APPROPRIATE USE OF LABORATORY, RADIOLOGICAL AND BED-SIDE INVESTIGATIONS FOR DIAGNOSIS

For the Trainee to demonstrate appropriately use of laboratory, radiological and bed-side investigations for diagnosis of inflammatory arthritis **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, CBD, or DOPS) as indicated by Trainer

EULAR Online Course Modules/Exams

OUTCOME 4 – APPROPRIATE USE OF DMARDS

For the Trainee to demonstrate understanding of the appropriate use of disease modifying antirheumatic drugs (DMARDs) **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, or CBD) as indicated by Trainer

EULAR Online Course Modules/Exams

OUTCOME 5 – APPROPRIATE INTERACTION WITH MDT IN MANAGING PATIENTS

For the Trainee to demonstrate appropriate interaction with all the members of the MDT in managing patients **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, CBD, or DOPS) as indicated by Trainer
MDT (attendance and leading-later in training)

OUTCOME 6 – MANAGING PATIENTS WITH COMPLEX NEEDS

For the Trainee to demonstrate experience in managing patients with complex needs (e.g., multimorbidity, pregnancy, adolescents, etc.) **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, CBD, or DOPS) as indicated by Trainer
EULAR Online Course Modules/Exams

Conditions

The table below provides a sample of the key conditions of Rheumatology commonly associated with this Training Goal. Each of these should be regarded as a clinical context in which trainees should be able to demonstrate proficiency across the relevant training outcomes. Our approach is to provide general guidance and not exhaustive detail, which would inevitably become out of date.

Training Goal 1. Inflammatory Arthritis	
Clinical Area	Conditions (including but not limited to)
Inflammatory Arthritis	Rheumatoid arthritis
	Psoriatic arthritis
	Axial spondyloarthritis
	Others including
	Sarcoidosis,
	Enteropathic arthritis
	Reactive arthritis
	Lyme disease
	Viral arthritis
	Pigmented villonodular synovitis
SAPHO syndrome	

Training Goal 2 – Osteoarthritis and Chronic Pain Syndromes (regional and widespread)

By the end of year 1 of Rheumatology Training, the Trainee is expected to achieve proficiency in history-taking, examinations, formulation of a differential diagnosis and development of a basic management plan, including involvement of other clinical specialties.

By the end of year 3 of Rheumatology Training, the Trainee is expected to be able to evaluate advanced treatment strategies available, including the role of other clinical specialties.

OUTCOME 1 – HISTORY TAKING AND EXAMINATION

For the Trainee to perform a detailed and focused history and examination (**End of Year 1**)

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, or CBD) as indicated by Trainer

OUTCOME 2 – DIFFERENCES IN PRESENTATIONS OF OSTEOARTHRITIS

For the Trainee to discuss the differences in presentations of osteoarthritis (**End of Year 1**)

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, or CBD) as indicated by Trainer

EULAR Online Course Modules/Exams

OUTCOME 3 – DIFFERENCES IN PRESENTATIONS OF CHRONIC PAIN SYNDROMES

For the Trainee to discuss the differences in presentations of chronic pain syndromes (**End of Year 1**)

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, or CBD) as indicated by Trainer

EULAR Online Course Modules/Exams

OUTCOME 4 – APPROPRIATE USE OF LABORATORY, RADIOLOGICAL AND BED-SIDE INVESTIGATIONS FOR DIAGNOSIS

For the Trainee demonstrate appropriately use of laboratory, radiological and bed-side investigations for diagnosis (**Year 1-3**)

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, CBD, or DOPS) as indicated by Trainer

EULAR Online Course Modules/Exams

OUTCOME 5 – APPROPRIATE USE OF ANALGESICS

For the Trainee to demonstrate understanding of the appropriate use of analgesics **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, or CBD) as indicated by Trainer

EULAR Online Course Modules/Exams

OUTCOME 6 – USE OF JOINT AND SOFT TISSUE INJECTIONS

For the Trainee to demonstrate proficiency in the use of joint and soft tissue injections **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, CBD, or DOPS) as indicated by Trainer

EULAR Online Course Modules/Exams

OUTCOME 7 – APPROPRIATE INTERACTION WITH MDT IN MANAGING PATIENTS

For the Trainee to demonstrate appropriate interaction with all the members of the MDT in managing patients **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, CBD, or DOPS) as indicated by Trainer

MDT (attendance and leading-later in training)

OUTCOME 8 – MANAGING PATIENTS WITH COMPLEX NEEDS

For the Trainee to demonstrate experience in managing patients with complex needs (e.g., multimorbidity, pregnancy, adolescents, etc.) **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, CBD, or DOPS) as indicated by Trainer

EULAR Online Course Modules/Exams

MDT (attendance and leading-later in training)

Conditions

The table below provides a sample of the key conditions of Rheumatology commonly associated with this Training Goal. Each of these should be regarded as a clinical context in which trainees should be able to demonstrate proficiency across the relevant training outcomes. Our approach is to provide general guidance and not exhaustive detail, which would inevitably become out of date.

Training Goal 2. Osteoarthritis and Chronic Pain Syndromes (regional and widespread)	
Clinical Area	Conditions (including but not limited to)
Osteoarthritis	Knee
	Hip
	Spine
	Hand
Chronic Pain Syndromes (Regional)	Rotator Cuff syndrome
	Trochanteric Bursitis
	Carpal Tunnel Syndrome
	Epicondylitis
	Text Neck Syndrome
	Complex Regional Pain Syndromes (CRPS)
Chronic Pain Syndromes (Widespread)	Fibromyalgia
	Hypermobility syndrome

Training Goal 3 – Connective tissue disorders and system vasculitis

By the end of year 1 of Rheumatology Training, the Trainee is expected to achieve proficiency in history-taking, examinations, formulation of a differential diagnosis and development of a basic management plan, including involvement of other clinical specialties.

By the end of year 3 of Rheumatology Training, the Trainee is expected to perform a comprehensive assessment and be able to evaluate the various advanced treatment strategies appropriate to the complexity of the patient, including the role of other clinical specialties.

OUTCOME 1 – HISTORY TAKING AND EXAMINATION

For the Trainee to perform a detailed and focused history and examination **(End of Year 1)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, or CBD) as indicated by Trainer

OUTCOME 2 – DIFFERENCES IN CLINICAL PRESENTATIONS AND PATHOPHYSIOLOGY OF CONNECTIVE TISSUE DISORDERS

For the Trainee to discuss the differences in clinical presentations of and pathophysiology of connective tissue disorders **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, or CBD) as indicated by Trainer

EULAR Online Course Modules/Exams

OUTCOME 3 – DIFFERENCES IN CLINICAL PRESENTATIONS AND PATHOPHYSIOLOGY OF SYSTEMIC VASCULITIS

For the Trainee to discuss the differences in clinical presentations and pathophysiology of systemic vasculitis **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, or CBD) as indicated by Trainer

EULAR Online Course Modules/Exams

OUTCOME 4 – APPROPRIATE USE OF LABORATORY, RADIOLOGICAL AND BED-SIDE INVESTIGATIONS FOR DIAGNOSIS

For the Trainee demonstrate appropriately use of laboratory, radiological and bed-side investigations for diagnosis **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, CBD, or DOPS) as indicated by Trainer

EULAR Online Course Modules/Exams

OUTCOME 5 – APPROPRIATE USE OF IMMUNOSUPPRESSIVE THERAPIES

For the Trainee to demonstrate understanding of the appropriate use of immunosuppressive therapies **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, or CBD) as indicated by Trainer

EULAR Online Course Modules/Exams

OUTCOME 6 – APPROPRIATE INTERACTION WITH MDT IN MANAGING PATIENTS

For the Trainee to demonstrate appropriate interaction with all the members of the MDT in managing patients **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, CBD, or DOPS) as indicated by Trainer

MDT (attendance and leading-later in training)

OUTCOME 7 – APPROPRIATE INTERACTION WITH OTHER SPECIALTIES

For the Trainee to demonstrate appropriate interaction with members of other relevant specialties **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, CBD, or DOPS) as indicated by Trainer

EULAR Online Course Modules/Exams

MDT (attendance and leading-later in training)

OUTCOME 8 – MANAGING PATIENTS WITH COMPLEX NEEDS

For the Trainee to demonstrate experience in managing patients with complex needs (e.g., multimorbidity, pregnancy, adolescents, etc.) **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, CBD, or DOPS) as indicated by Trainer

EULAR Online Course Modules/Exams

MDT (attendance and leading-later in training)

Conditions

The table below provides a sample of the key conditions of Rheumatology commonly associated with this Training Goal. Each of these should be regarded as a clinical context in which trainees should be able to demonstrate proficiency across the relevant training outcomes. Our approach is to provide general guidance and not exhaustive detail, which would inevitably become out of date.

Training Goal 3. Connective tissue disorders and system vasculitis	
Clinical Area	Conditions (including but not limited to)
Connective tissue disorders and system vasculitis	Systemic Lupus Erythematosus
	Scleroderma
	Idiopathic Inflammatory Myopathies
	Sjogren’s Disease
	Overlap disease
	Vasculitis
	A. Small Vessel
	B. Medium Vessel
	C. Large Vessel

Training Goal 4 – Infections and Crystal Arthropathies

By the end of year 1 of Rheumatology Training, the Trainee is expected to achieve proficiency in history-taking, examinations, joint aspiration, formulation of a differential diagnosis and development of a basic management plan.

By the end of year 3 of Rheumatology Training, the Trainee is expected to perform a comprehensive assessment and be able to evaluate the various advanced treatment strategies appropriate to the complexity of the patient.

OUTCOME 1 – HISTORY TAKING AND EXAMINATION

For the Trainee to perform a detailed and focused history and examination **(End of Year 1)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, or CBD) as indicated by Trainer

OUTCOME 2 – PRESENTATIONS OF SEPTIC ARTHRITIS

For the Trainee to discuss the presentations of septic arthritis **(End of Year 1)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, or CBD) as indicated by Trainer

EULAR Online Course Modules/Exams

OUTCOME 3 – DIFFERENCES IN PRESENTATIONS OF CRYSTAL ARTHROPATHIES

For the Trainee to discuss the differences in the presentations of crystal arthropathies **(End of Year 1)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, or CBD) as indicated by Trainer

EULAR Online Course Modules/Exams

OUTCOME 4 – APPROPRIATE USE OF LABORATORY, RADIOLOGICAL AND MICROSCOPY FOR DIAGNOSIS

For the Trainee demonstrate appropriately use of laboratory, radiological and microscopy for diagnosis **(End of Year 1)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, CBD, or DOPS) as indicated by Trainer

EULAR Online Course Modules/Exams

OUTCOME 5 – USE OF JOINT ASPIRATION AND INJECTION

For the Trainee to demonstrate proficiency in the use of joint aspiration and injection **(End of Year 1)**

Assessment and learning opportunities

Feedback Opportunity
Workplace Based Assessment (DOPS) as indicated by Trainer
EULAR Online Course Modules/Exams

OUTCOME 6 – APPROPRIATE USE OF ANTIBIOTICS

For the Trainee to demonstrate understanding of the appropriate use of antibiotics **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity
Workplace Based Assessment (Mini-CEX, or CBD) as indicated by Trainer
EULAR Online Course Modules/Exams

OUTCOME 7 – APPROPRIATE USE OF URATE LOWERING THERAPY

For the Trainee to demonstrate understanding of the appropriate use of urate lowering therapy **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity
Workplace Based Assessment (Mini-CEX, or CBD) as indicated by Trainer
EULAR Online Course Modules/Exams

OUTCOME 8 – APPROPRIATE INTERACTION WITH OTHER SPECIALTIES IN MANAGEMENT OF PATIENTS

For the Trainee to demonstrate appropriate interaction with other clinical specialties in managing patients **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity
Workplace Based Assessment (Mini-CEX, CBD, or DOPS) as indicated by Trainer
EULAR Online Course Modules/Exams
MDT (attendance and leading-later in training)

OUTCOME 9 – MANAGING PATIENTS WITH COMPLEX NEEDS

For the Trainee to demonstrate experience in managing patients with complex needs (e.g., multimorbidity, pregnancy, adolescents, etc.) **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity
Workplace Based Assessment (Mini-CEX, CBD, or DOPS) as indicated by Trainer
EULAR Online Course Modules/Exams
MDT (attendance and leading-later in training)

Conditions

The table below provides a sample of the key conditions of Rheumatology commonly associated with this Training Goal. Each of these should be regarded as a clinical context in which trainees should be able to demonstrate proficiency across the relevant training outcomes. Our approach is to provide general guidance and not exhaustive detail, which would inevitably become out of date.

Training Goal 4. Infections and Crystal Arthropathies	
Clinical Area	Conditions (including but not limited to)
Infections and Crystal Arthropathies	Septic arthritis
	Crystal Arthropathies
	A. Gout
	B. Calcium pyrophosphate deposition disease (CPPD)
	C. Other

Training Goal 5 – Bone Health, Endocrine and Metabolic

By the end of year 1 of Rheumatology Training, the Trainee is expected to achieve proficiency in history-taking, examinations, formulation of a differential diagnosis and development of a basic management plan.

By the end of year 3 of Rheumatology Training, the Trainee is expected to perform a comprehensive assessment and be able to evaluate the various advanced treatment strategies appropriate to the complexity of the patient.

OUTCOME 1 – INTERPRETATIONS OF DEXA SCAN

For the Trainee to discuss interpretations of DEXA scan **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, or CBD) as indicated by Trainer

EULAR Online Course Modules/Exams

ISCD Course (optional)

OUTCOME 2 – PATHOPHYSIOLOGY OF BONE DISEASE AND APPROPRIATE TREATMENTS

For the Trainee to demonstrate an understanding of the pathophysiology of bone disease and the appropriate use of treatments **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, or CBD) as indicated by Trainer

EULAR Online Course Modules/Exams

OUTCOME 3 – RHEUMATOLOGICAL MANIFESTATIONS OF ENDOCRINE DISEASE

For the Trainee to demonstrate awareness of potential rheumatological manifestations of endocrine disease **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, or CBD) as indicated by Trainer

EULAR Online Course Modules/Exams

OUTCOME 4 – RHEUMATOLOGICAL MANIFESTATIONS OF METABOLIC AND STORAGE DISEASE

For the Trainee to demonstrate awareness of potential rheumatological manifestations of metabolic and storage disease **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, or CBD) as indicated by Trainer

EULAR Online Course Modules/Exams

Conditions

The table below provides a sample of the key conditions of Rheumatology commonly associated with this Training Goal. Each of these should be regarded as a clinical context in which trainees should be able to demonstrate proficiency across the relevant training outcomes. Our approach is to provide general guidance and not exhaustive detail, which would inevitably become out of date.

Training Goal 5. Bone Health, Endocrine and Metabolic	
Clinical Area	Conditions (including but not limited to)
Bone Disease	Paget Disease of Bone
	Osteoporosis
	Osteomalacia and Rickets
Endocrine and Metabolic disease	A. Rheumatic manifestations of endocrine disease
	i. Diabetes Mellitus
	ii. Acromegaly
	iii. Adrenal dysfunction
	iv. Thyroid disorders
	v. Hyperparathyroidism
B. Rheumatic Manifestations of Renal Disease	
Deposition / Storage Disorders	Hyperlipidemia
	Haemochromatosis
	Gaucher's disease
	Mucopolysaccharidoses

Training Goal 6 – Rare and Miscellaneous

By the end of year 1 of Rheumatology Training, the Trainee is expected to achieve proficiency in history-taking, examinations, and formulation of a differential diagnosis.

By the end of year 3 of Rheumatology Training, the Trainee is expected to perform a comprehensive assessment and be able to evaluate the various advanced investigation strategies and treatment appropriate to the complexity of the patient.

OUTCOME 1 – PRESENTATIONS, PATHOPHYSIOLOGY, INVESTIGATION, AND TREATMENT OF MULTISYSTEM DISEASE

For the Trainee to demonstrate an understanding of the presentations, pathophysiology, investigation, and treatment of multisystem disease **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, or CBD) as indicated by Trainer

EULAR Online Course Modules/Exams

OUTCOME 2 – PRESENTATIONS, PATHOPHYSIOLOGY, INVESTIGATION AND TREATMENT OF NEOPLASTIC MUSCULOSKELETAL DISORDERS

For the Trainee to demonstrate an understanding of the presentations, pathophysiology, investigation, and treatment of neoplastic musculoskeletal disorders **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, or CBD) as indicated by Trainer

EULAR Online Course Modules/Exams

OUTCOME 3 – PRESENTATIONS, PATHOPHYSIOLOGY, INVESTIGATION AND TREATMENT OF MUSCULOSKELETAL DISORDERS CAUSED BY CANCER THERAPIES

For the Trainee to demonstrate an understanding of the presentations, pathophysiology, investigation, and treatment of musculoskeletal disorders caused by cancer therapies **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, or CBD) as indicated by Trainer

EULAR Online Course Modules/Exams

OUTCOME 4 – PRESENTATIONS, PATHOPHYSIOLOGY, INVESTIGATION AND TREATMENT OF RHEUMATIC MANIFESTATIONS OF SYSTEMIC DISEASE

For the Trainee to demonstrate an understanding of the presentations, pathophysiology, investigation, and treatment of rheumatic manifestations of systemic disease **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, or CBD) as indicated by Trainer

EULAR Online Course Modules/Exams

OUTCOME 5 – PRESENTATIONS, PATHOPHYSIOLOGY, INVESTIGATION AND TREATMENT OF RARE GENETIC DISORDERS

For the Trainee to demonstrate an understanding of the presentations, pathophysiology, investigation, and treatment of rare genetic disorders **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, or CBD) as indicated by Trainer

EULAR Online Course Modules/Exams

OUTCOME 6 – PRESENTATIONS, PATHOPHYSIOLOGY, INVESTIGATION AND TREATMENT OF AUTOINFLAMMATORY DISEASE

For the Trainee to demonstrate an understanding of the presentations, pathophysiology, investigation, and treatment of autoinflammatory disease **(Year 1-3)**

Assessment and learning opportunities

Feedback Opportunity

Workplace Based Assessment (Mini-CEX, or CBD) as indicated by Trainer

EULAR Online Course Modules/Exams

Conditions

The table below provides a sample of the key conditions of Rheumatology commonly associated with this Training Goal. Each of these should be regarded as a clinical context in which trainees should be able to demonstrate proficiency across the relevant training outcomes. Our approach is to provide general guidance and not exhaustive detail, which would inevitably become out of date.

Training Goal 6. Rare and Miscellaneous	
Clinical Area	Conditions (including but not limited to)
Multisystem disease	IGG4-related disease
	Relapsing polychondritis
Neoplastic Disorders	Tumours
	i. Sarcoma
	ii. Multicentric nodular reticulohistiocytosis

	iii. Synovial osteochondromatosis
Cancer Therapy-related	Checkpoint inhibitors
	Aromatase inhibitors
Rheumatological presentations of other systemic diseases	Hypertrophic osteoarthropathy
	Haemophilia and other bleeding disorders
	Haemoglobinopathies
Rare genetic disorders	Osteogenesis imperfecta
	Ehlers Danlos syndrome
	Marfan's syndrome
	Skeletal dysplasias
	VEXAS syndrome
Autoinflammatory diseases	Adult onset still disease
	Periodic fever syndromes
	Familial Mediterranean fever
	Macrophage activation syndrome and HLH
	Amyloidosis
	Sweet's syndrome

6. APPENDICES

This section includes...

ASSESSMENT APPENDIX

Workplace-Based Assessment and Evaluations

The expression “workplace-based assessments” (WBA) defines all the assessments used to evaluate trainees’ daily clinical practices employed in their work setting. It is primarily based on the observation of trainees’ performance by trainers. Each observation is followed by a trainer’s feedback, with the intent of fostering reflective practice.

Relevance of Feedback for WBA

Although “assessment” is the keyword in WBA, it is necessary to acknowledge that feedback is an integral part and complementary component of WBA. The main purpose of WBA is to provide specific feedback for trainees. Such feedback is expected to be:

- **Frequent:** the opportunities to provide feedback are preferably given by directly observed practice, but also by indirectly observed activities. Feedback is expected to be frequent and should concern a low-stake event. Rather than being an assessor, the trainer is an observer who is asked to provide feedback in the context of the training opportunity presented at that moment.
- **Timely:** preferably, the feedback should be a direct conversation between trainer and trainee in a timeframe close to the training event. The trainee should then record the feedback on ePortfolio in a timely manner.
- **Constructive:** the recorded feedback would inform both trainee’s practice for future performance and committees for evaluations. Hence, feedback should provide trainees with behavioural guidance on how to improve performance and give committees the context that leads to a rating, so that progression or remediation decisions can be made.

Types of WBAs in use at RCPI

There is a variety of WBAs used in medical education. They can be categorised into three main groups: *Observation of performance; Discussion of clinical cases; Feedback.*

As WBAs at RCPI we use *Observation of performance* via MiniCEX and DOPS; *Discussion of clinical cases* via CBD; *Feedback* via Feedback Opportunity.

Mandatory Evaluations are bound to specific events or times of the academic year, for these at RCPI we use: Quarterly Evaluation/End of Post Evaluation; End of Year Evaluation; Penultimate Year Evaluation; Final Year Evaluation.

Recording WBAs on ePortfolio

It is expected that WBAs are logged on an electronic portfolio. Every trainee has access to an individual ePortfolio where they must record all their assessments, including WBAs. By recording assessments on this platform, ePortfolio serves both the function to provide an individual record of the assessments and to track trainees’ progression.

Formative and Summative Feedback

The Trainee can record any WBA either as formative or summative with the exception of the *Mandatory Evaluations* (Quarterly/End of Post, End of Year, Penultimate Year, Final Year evaluations).

If the WBA is logged as **formative**, the trainee can retain the feedback on record, but this will not be visible to an assessment panel, and it will not count towards progression. If the WBA is logged as **summative** it will be regularly recorded and it will be fully visible to assessment panels, counting towards progression.

WORKPLACE-BASED ASSESSMENTS	
CBD Case Based Discussion	<p>This assessment is developed in three phases:</p> <ol style="list-style-type: none"> 1. Planning: The trainee selects two or more medical records to present to the trainer who will choose one for the assessment. Trainee and trainer identify one or more training goals in the curriculum and specific outcomes related to the case. Then the trainer prepares the questions for discussion. 2. Discussion: Prevalently, based on the chosen case, the trainer verifies the trainee's clinical reasoning and professional judgment, determining the trainee's diagnostic, decision-making and management skills. 3. Feedback: The trainer provides constructive feedback to the trainee. <p>It is good practice to complete at least one CBD per quarter in each year of training.</p>
DOPS Direct Observation of Procedural Skills	<p>This assessment is specifically targeted at the evaluation of procedural skills involving patients in a single encounter.</p> <p>In the context of a DOPS, the trainer evaluates the trainee while they are performing a procedure as a part of their clinical routine. This evaluation is assessed by completing a form with pre-set criteria, then followed by direct feedback.</p>
MiniCEX Mini Clinical Examination Exercise	<p>The trainer is required to observe and assess the interaction between the trainee and a patient. This assessment is developed in three phases:</p> <ol style="list-style-type: none"> 1. The trainee is expected to conduct a history taking and/or a physical examination of the patient within a standard timeframe (15 minutes). 2. The trainee is then expected to suggest a diagnosis and management plan for the patient based on the history/examination. 3. The trainer assesses the overall trainee's performance by using the structured ePortfolio form and provides constructive feedback.
Feedback Opportunity	<p>Designed to record as much feedback as possible. It is based on observation of the trainees in any clinical and/or non-clinical task. Feedback can be provided by anyone observing the trainee (peer, other supervisors, healthcare staff, juniors). It is possible to turn the feedback into an assessment (CDB, DOPS or MiniCEX)</p>
MANDATORY EVALUATIONS	
QE Quarterly Evaluation	<p>As the name suggests, the Quarterly Evaluation recurs four times in the academic year, once every academic quarter (every three months).</p> <p>It frequently happens that a Quarterly Evaluation coincides with the end of a post, in which case the Quarterly Evaluation will be substituted by completing an End of Post Evaluation. In this sense the two evaluations are interchangeable, and they can be completed using the same form on ePortfolio.</p>
EOP End of Post Evaluation	<p>However, if the trainee will remain in the same post at the end of the quarter, it will be necessary to complete a Quarterly Evaluation. Similarly, if the end of a post does not coincide with the end of a quarter, it will be necessary to complete an End of Post Evaluation to assess the end of a post.</p> <p>This means that for every specialty and level of training, a minimum of four Quarterly Evaluation and/or End of Post Evaluation will be completed in an academic year as a mandatory requirement.</p>
EOYA End of Year Evaluation	<p>The End of Year Evaluation occurs once a year and involves the attendance of an evaluation panel composed of the National Specialty Directors (NSDs); the Specialty Coordinator attends too, to keep records of and facilitate the meeting. The assigned trainer is not supposed to attend this meeting unless there is a valid reason to do so. These meetings are scheduled by the respective Specialty Coordinators and happen sometime before the end of the academic year (between April and June).</p>
PYE Penultimate Year Evaluation	<p>The Penultimate Year Evaluation occurs in place of the End of Year Evaluation, in the year before the last year of training.</p> <p>It involves the attendance of an evaluation panel composed of the National Specialty Directors (NSDs) and an External Member who is a recognised expert in the Specialty outside of Ireland; the Specialty Coordinator attends too, to keep records of and facilitate the meeting. The assigned trainer is not supposed to attend this meeting unless there is a valid reason to do so.</p>
FYE Final Year Evaluation	<p>In the last year of training, the End of Year Evaluation is conventionally called Final Year Evaluation, however, its organisation is the same as an End of Year Evaluation.</p>

Examination

EULAR exam: The European Alliance of Associates for Rheumatology (EULAR) which provides online modules/exams is one of the recommended assessment methods of this curriculum. The purpose of the modules/exam is not as a certifying or qualifying examination but to be used as a self-assessment tool designed to gauge knowledge of rheumatology.

TEACHING APPENDIX

MANDATORY COURSES

ACLS

Delivering Thrombolysis in Clinical Practice

Ethics Foundation

Ethics for General Medicine

An Introduction to Health Research Methods

HST Leadership in Clinical Practice

Mastering Communication

Performing Audit

Wellness Matters

Management Course

General Internal Medicine Mandatory Courses

NIHSS Stroke Scale

Delirium Recognition and Response (Online)

Bedside Ultrasound (POCUS) for GIM

Study Days

Study days vary from year to year, they comprise a rolling schedule of hospital-provided topic-specific educational days and national/international events selected for their relevance to the Rheumatology HST curriculum.

Trainees are expected to attend the majority of the study days available throughout the training year.