

Postgraduate Certificate

Acute Myeloid Leukemia



Postgraduate Certificate Acute Myeloid Leukemia

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/medicine/postgraduate-certificate/acute-myeloid-leukemia

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01

Introduction

Acute Myeloid Leukemia is a disease that affects a large number of people worldwide. For this reason, the need to constantly update knowledge in this area is vital for specialists in hematology and hemotherapy. Therefore, TECH has designed a comprehensive program focused on blood cancer, offering high-quality training. It emphasizes the latest scientific evidence and the long-term real benefits for patients. The syllabus is delivered 100% online, using the Relearning pedagogical methodology, with flexibility to organize academic resources. If you're looking to stay up to date on the treatment of these conditions, this qualification is for you.



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With TECH you will discover the latest trends in the treatment of Acute Myeloid Leukemia. Apply now!”

Oncohematology is a branch of medicine that focuses on studying blood diseases and the tissues that produce it. One of these is Acute Myeloid Leukemia, a pathology that primarily affects adults and can be fatal if not treated appropriately. The need for specialized training in this field lies in the complexity of evaluating and treating these abnormalities. Treating these conditions requires up-to-date, specialized knowledge to offer patients comprehensive and personalized care.

The Postgraduate Certificate in Acute Myeloid Leukemia, offered by TECH, aims to provide specialists with complete and updated education in the diagnosis and treatment of these medical cases. The syllabus covers topics such as the new classifications in medical reports and a global perspective focused on the long-term real benefits for patients.

TECH employs an innovative pedagogical methodology based on Relearning, which allows students to efficiently and durably absorb the key concepts of oncohematology. Moreover, the course is 100% online and offers flexibility in organizing academic resources tailored to the student's needs and availability. In this way, students can access the innovative learning materials anytime and anywhere, with the support of a team of highly qualified instructors with extensive experience.

This **Postgraduate Certificate in Acute Myeloid Leukemia** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The development of practical case studies presented by experts in Acute Myeloid Leukemia
- ♦ The graphic, schematic and eminently practical contents with which it is conceived gather scientific and practical information on those disciplines that are indispensable for professional practice
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



Learn from the best experts in hematology and hemotherapy on the national and international medical scene"

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Register to discover the latest techniques in diagnosis and treatment of Acute Myeloid Leukemia with the most complete and rigorous educational program”

The program's teaching staff includes professionals from the field who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive education programmed to learn in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the course. For this purpose, students will be assisted by an innovative interactive video system created by renowned experts.

Access endless job opportunities after graduating with TECH.

Get a complete and updated vision of Acute Myeloid Leukemia with the Relearning pedagogical method.



02 Objectives

The Postgraduate Certificate in Acute Myeloid Leukemia aims to provide specialists with a complete and rigorous update in this field of Oncohematology. Students will have access to the latest scientific evidence on topics such as new diagnostic classifications and the selection of appropriate treatment for this type of leukemia. Additionally, the program focuses on the long-term real benefits for patients, moving away from the interests of the pharmaceutical industry. With the participation of renowned specialists in hematology and hemotherapy, students will gain a global and updated view of the field of Oncohematology. For this reason, TECH sets a series of general and specific objectives for the greater satisfaction of future graduates.



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At TECH, the goal is you: give your career the boost it needs and expand your knowledge in Donor Lymphocyte Infusions”



General Objectives

- ♦ Explore the etiopathogenesis, diagnosis, and prognosis of Myelodysplastic Syndromes
- ♦ Update pharmacological knowledge used in Oncohematology
- ♦ Investigate the latest scientific publications on the most appropriate treatments for Acute Lymphoblastic Leukemia (ALL)
- ♦ Delve into the growing problem of resistant microorganisms
- ♦ Assess the evidence and current recommendations on prophylaxis
- ♦ Deepen in the routine care of oncohematological patients affected by SARS-CoV2





Specific Objectives

- ♦ Delve into the most relevant updates in diagnostic and prognostic aspects, with a special emphasis on the current importance of genetic and molecular alterations
- ♦ Explore the rationale behind the changes in the latest WHO classification and its differences with the alternative classification of the paradoxically named International Consensus Group (ICG)
- ♦ Update knowledge on current recommendations for different subgroups, attempting to break down studies and various levels of evidence and recommendations for each case

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Discover how Acute Myeloid Leukemia develops and is treated in a virtual environment 100% adapted to your needs”

03

Structure and Content

This Postgraduate Certificate provides the oncohematology specialist with the most up-to-date content on the diagnosis and pharmacological treatment of conditions such as Acute Myeloid Leukemia and its molecular biology. The syllabus offers students an innovative and rigorous academic pathway, including instructional material that is accessible at any time of the day. This program also focuses on clinical manifestations and flow cytometry, and it is ideal for specialists interested in expanding their knowledge in this medical field.





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Dive into an easy-to-use digital interface to expand your knowledge in pathogenesis”

Module 1. Acute Myeloid Leukemia

- 1.1. Clinical Features
 - 1.1.1. Introduction and Epidemiology
 - 1.1.2. Clinical Manifestations
 - 1.1.3. Analytical Alterations
- 1.2. Diagnosis
 - 1.2.1. Pathogenesis
 - 1.2.2. Cytology
 - 1.2.3. Flow Cytometry
- 1.3. Genetic and Molecular Alterations. Classifications and Prognosis
 - 1.3.1. Cytogenetics
 - 1.3.2. Molecular Biology
 - 1.3.3. WHO vs ICC
 - 1.3.4. Risk according to ELN
- 1.4. Acute Promyelocytic Leukemia
 - 1.4.1. Diagnosis
 - 1.4.2. Prognosis
 - 1.4.3. Treatment
- 1.5. Intensive Treatment of AML
 - 1.5.1. Intensive Induction Chemotherapy
 - 1.5.2. Alternatives and Modifications to 3+7
 - 1.5.3. Post-Remission Treatment
- 1.6. Other Available Treatments in AML
 - 1.6.1. Gemtuzumab Ozogamicin
 - 1.6.2. Liposomal Daunorubicin + Cytarabine



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- 1.7. Less Intensive Treatments
 - 1.7.1. Hypomethylating Agents
 - 1.7.2. Venetoclax
 - 1.7.3. Other Targeted Treatments
 - 1.8. New Drugs in Development
 - 1.8.1. Promising New Targets
 - 1.8.2. Cell Therapy
 - 1.9. Hematopoietic Stem Cell Transplantation (HSCT) in AML
 - 1.9.1. Possible Indications for Autologous and Allogeneic Transplants
 - 1.9.2. Allogeneic HSCT Conditioning in AML
 - 1.9.3. Donor Lymphocyte Infusions
 - 1.9.4. Second HSCT in AML
 - 1.10. Long-Term Survivor Management
 - 1.10.1. Follow-Up Recommendations
 - 1.10.2. Late Relapses
 - 1.10.3. Second Neoplasms and Other Complications

“Everything you learn has an immediate application in the professional field, don’t wait any longer”

04 Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.



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TECH will prepare you to face new challenges in uncertain environments and achieve success in your career”

The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

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*At TECH you will NOT have live classes
(which you might not be able to attend)”*





The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

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TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want”

Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.



A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule”

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that assess real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.

The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.

You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.



As such, the best educational materials, thoroughly prepared, will be available in this program:



Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



Interactive Summaries

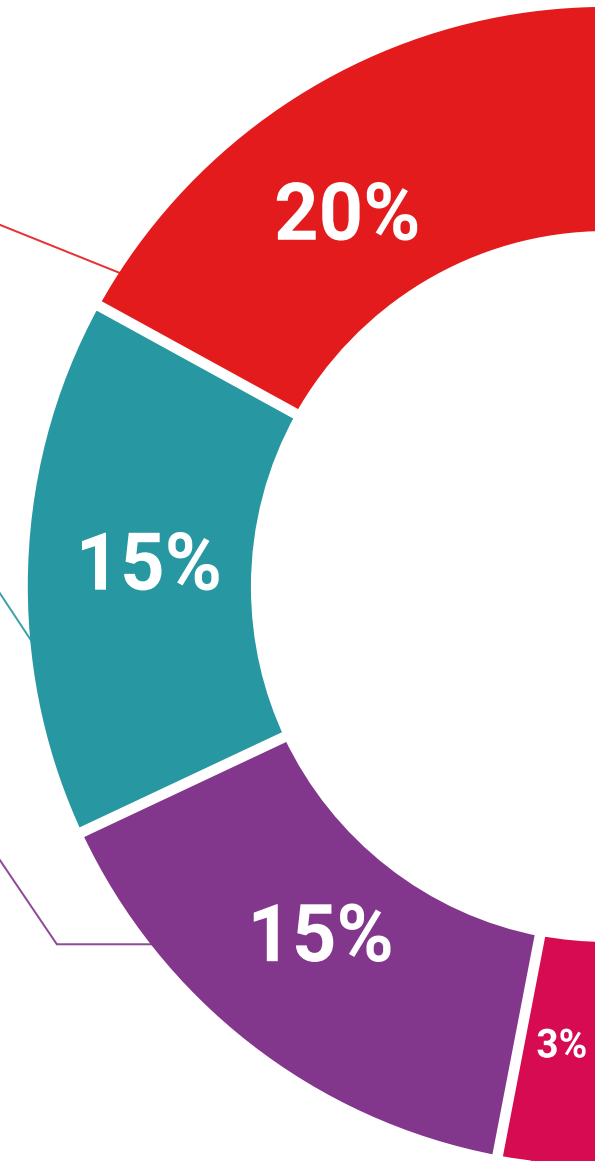
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

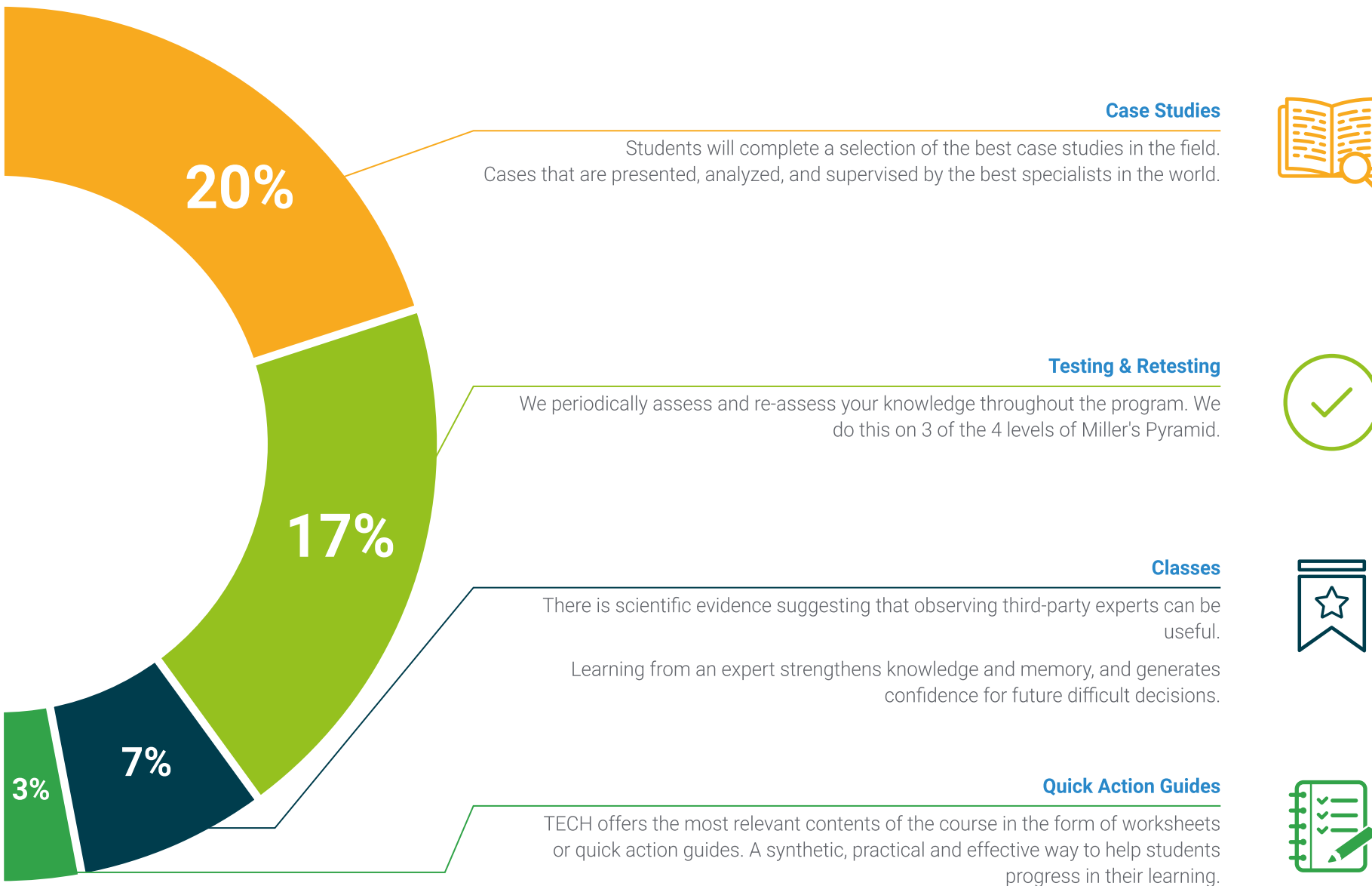
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents, international guides... In our virtual library you will have access to everything you need to complete your education.





05 Certificate

The Postgraduate Certificate in Acute Myeloid Leukemia guarantees students, in addition to the most rigorous and up-to-date education, access to a diploma for the Postgraduate Certificate issued by TECH Global University.



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Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork”

This private qualification will allow you to obtain a diploma for the **Postgraduate Certificate in Acute Myeloid Leukemia** endorsed by TECH Global University, the world's largest online university.

TECH Global University, is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** private qualification, is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Acute Myeloid Leukemia**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





Postgraduate Certificate Acute Myeloid Leukemia

- » Modality: online
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- » Schedule: at your own pace
- » Exams: online

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