



Interventional
Ultrasound
for Pathologists

Madrid ²³⁻²⁴ **2023**
NOVEMBER

PRELIMINARY PROGRAM

Dr. Karen Villar Zarra

Dr. Santiago Nieto Llanos

Dr. Héctor Enrique Torres Rivas

Dr. Jesús Nieves Alonso

Dr. Mario Luis Berrios Hernández

Dr. Francisco Solano Dueñas

8:00 COURSE OPENING

Dr. Karen Villar Zarra

8:30 INTRODUCTION TO ULTRASOUND IMAGING

A brief historical background
Basics of ultrasound imaging
Patterns and artifacts in ultrasound imaging
Macroscopic on-screen assessment

Dr. Karen Villar Zarra

DISINFECTION, ARTIFICIAL INTELLIGENCE AND PORTABILITY IN ULTRASOUND

Dr. Karen Villar Zarra

10:30 COFFEE BREAK

11:00 PROCEDURES IN INTERVENTIONAL PATHOLOGY

Ultrasound-guided fine needle aspiration (USFNA) + ROSE
Why being an interventional pathologist? Pros and cons
Approach to the patient and preparation
Ultrasound-guided Core Needle Biopsy (CNB)
Technique and devices
Most frequent complications
Other procedures: Punch. Sutures. Tissue marking

Dr. Héctor Enrique Torres Rivas, Dr. Karen Villar Zarra

THE ROLE OF THE TECHNICIAN IN THE INTERVENTIONAL PATHOLOGY PRACTICE

Sample handling
Cytology smears

Dr. Karen Villar Zarra

14:00 LUNCH

15:00 GROUP PRACTICE WORKSHOPS

Physical examination and preparation for the procedure
Lesion measurement and imaging
Puncture techniques
USFNA and core needle biopsy. Other procedures
Handling of ultrasound machines and biopsy devices

*Dr. Héctor Enrique Torres Rivas, Dr. Mario Luis Berrios Hernández, Dr. Jesús Nieves Alonso,
Dr. Francisco Solano Dueñas, Dr. Santiago Nieto Llanos, Dr. Karen Villar Zarra*

17:00 COFFEE BREAK

17:30 CLINICAL CASES

*Dr. Héctor Enrique Torres Rivas, Dr. Mario Luis Berrios Hernández, Dr. Jesús Nieves Alonso,
Dr. Francisco Solano Dueñas, Dr. Santiago Nieto Llanos, Dr. Karen Villar Zarra*

8:30 ANTITHROMBOTIC THERAPY MANAGEMENT IN INTERVENTIONAL PROCEDURES

Basic concepts and management

Dr. Jesús Nieves Alonso

LOCAL ANESTHETICS IN INTERVENTIONAL PROCEDURES.**DOSAGE, MANAGEMENT AND COMPLICATIONS**

Dr. Jesús Nieves Alonso

EXPERIENCE IN SPAIN

The interventional pathologist at the Hospital Central de Asturias

USFNA of the lymph node

Percutaneous muscle biopsy for the study of myopathies

Dr. Hector Enrique Torres Rivas

USFNA of the thyroid gland

USFNA of the salivary gland

Dr. Mario Luis Berrios Hernandez

One-stop pathology diagnosis at the Hospital Universitario del Henares

Dr. Karen Villar Zarra

10:30 COFFEE BREAK**11:00 WHAT SHOULD WE INCLUDE IN THE REPORT? PROTOCOL TEMPLATE PROPOSAL**

Dr. Karen Villar Zarra

11:30 STRATEGIES FOR SETTING UP AN INTERVENTIONAL PRACTICE

Dr. Karen Villar Zarra

12:00 GROUP PRACTICE WORKSHOPS

Physical examination and preparation for the procedure

Lesion measurement and imaging

Puncture techniques

USFNA and core needle biopsy. Other procedures

Handling of ultrasound machines and biopsy devices

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14:00 LUNCH**15:00 CLINICAL CASES**

Dr. Héctor Enrique Torres Rivas, Dr. Mario Luis Berrios Hernández, Dr. Jesús Nieves Alonso,

Dr. Francisco Solano Dueñas, Dr. Santiago Nieto Llanos, Dr. Karen Villar Zarra

16:00 **GROUP PRACTICE WORKSHOPS**

Physical examination and preparation for the procedure
Lesion measurement and imaging
Puncture techniques
USFNA and core needle biopsy. Other procedures.
Handling of ultrasound machines and biopsy devices

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Dr. Francisco Solano Dueñas, Dr. Santiago Nieto Llanos, Dr. Karen Villar Zarra*

17:00 **COFFEE BREAK**

17:30 **EVALUATION AND CERTIFICATES**

Multiple-choice exam
Practical exam
Closing and final words

MEDICAL DIRECTION

**Dr. Karen Villar Zarra
Dr. Santiago Nieto Llanos**

SPEAKERS. COURSE FACULTY

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Interventional Pathologist. Hospital Universitario Central de Asturias. Asturias.
Master's degree in musculoskeletal ultrasound and ultrasound-guided interventions.

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RECOMMENDED ACCOMMODATION:

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