



**11<sup>th</sup> ICMM INTERNATIONAL COURSE FOR  
HEALTH SUPPORT IN SAHARAN ENVIRONMENT  
TOZEUR (TUNISIA)  
November 06-10, 2023**

**PROGRAM**



**Sunday November 05, 2023**

Military dress: Class B uniform

Welcoming participants: SEN COL Med K. LAMINE  
Transfer from Tozeur International Airport to the Hotel  
Accommodation: El Mouradi Hotel  
Registration: LTC (Ph) A. TALBI

**Free program**

Hourly	Titled	Duration	Speaker
19:00	Tunisian Surgeon General Speech Course History	10 minutes	SEN COL (MD) M. AZAIEZ SEN COL (MD) K. LAMINE
19:10	ICMM SG speech	10 minutes	ICMM representative
19:20	Introductory conference of the course: the Sahara	20 mins	LTC (MD) A. SOUISSI

**Dinner at the hotel**

**Monday, November 06, 2023: Module 1: Heat (Pr A. BEN MANSOUR)**

Military dress: Class B uniform

Schedules	Titled	Duration	Speaker
8:30	Knowledge pre-assessment test	05 min	Pr A. BEN MANSOUR
8:35	Module overview	05 min	
	<u>Conferences</u>		
8:40	Acclimatization to exercise in hot environment	25 min	Pr A. BEN MANSOUR
9:05		25 min	COL (MD) I. KANOUN
9:30	Pathologies induced by heat	20 min	SEN COL (MD) MT. KHOUFI
9:50	Prevention of heat related disease	20 min	COL (MD) C. ROMDHANI
10:10	Management of heat related pathologies		
10:20	Discussion		
	Break (Official photo)		
	<u>Workshops</u> (small groups)		
11:00	St 1: Acclimatization: from theory to practice	20 min	Pr A. BEN MANSOUR
11:20	St 2: Evaluation of climate risk factors and interest of the WBGT and TWL index	20 min	SEN COL (MD) MT. KHOUFI
11:40	St 3: Thermal accident risk management	20 min	COL (MD) I. KANOUN
12:00	Evaluation test	05 min	
12:05	End of the session		

<b>Monday November 06, 2023: Module 2: Leishmaniasis (SEN COL (MD) A. DHAOUI)</b>			
Military dress: Class B uniform			
<b>Schedules</b>	<b>Titled</b>	<b>Duration</b>	<b>Speaker</b>
13:30	Knowledge pre-assessment test	05 mins	
13:35	Module overview	05 mins	SEN COL (MD) A. DHAOUI
	<u>Conferences</u>		
13:40	Epidemiological news of cutaneous leishmaniasis in Tunisia	20 mins	Pr H. BABBA
14:00	Clinical varieties and positive diagnosis	20 mins	SEN COL (MD) A. DHAOUI
14:20	Parasitological diagnosis of cutaneous leishmaniasis	20 mins	MAJ (MD) L. MTIBAA
14:40	Therapeutic care	20 mins	SEN COL (MD) A. DHAOUI
15:00	Coffee Break		
	<u>Workshops</u>		
15:20	St 1: Ecology of the leishmaniasis vector in Tunisia	30 mins	Pr H. BABBA Dr L. RMADI LTC (Vet) O. ZARROUK
15:50	St 2: Ecology of the leishmaniasis reservoir in Tunisia	30 mins	Pr H. BABBA
16:20	St 3: Parasitological diagnosis: sampling, preparation of the dermal smear, microscopic reading and molecular diagnosis	30 mins	MAJ (MD) L. MTIBAA Dr L. RMADI
16:50	St 4: Prevention, ways to fight leishmaniasis	20 mins	SEN COL (MD) MT. KHOUFI
17:10	Evaluation test	05 mins	
17:15	End of the session		
<b>18:00</b>	<b>Visit to the "Dar Chraiet" museum</b>		

<b>Tuesday November 07, 2023: Module 3: Scorpion and ophidian envenomation (Pr B. BOUHAOUALA, Dr Z. BENLASFAR, SEN COL (MD) MT. KHOUFI)</b>			
Military dress: Class B uniform			
<b>Schedules</b>	<b>Titled</b>	<b>Duration</b>	<b>Speaker</b>
8:30	Knowledge assessment pre-test	05 min	
8:35	Module overview	05 min	Pr B. BOUHAOUALA
	<u>Conferences</u>		
8:40	Scorpion and ophidian populations of the Sahara: Fauna and epidemiological data	15 min	Dr Vet Z. BENLASFAR
8:55	Venom properties of Sahara species: aspects and compositions	10 min	Pr B. BOUHAOUALA
9:05	Diagnosis and management of scorpion envenomation	15 min	LTC (MD) M. HAGUI
9:20	Diagnosis and management of ophidian envenomations	20 min	Pr C. BEN HAMIDA
9:40	Anti-venoms and current and future serotherapy	20 min	Pr B. BOUHAOUALA
10:00	Discussion		
10:10	Coffee Break		
	<u>Workshops</u>		
10.30	St 1: Characteristics of venoms and place of immunotherapy	30 min	Pr B. BOUHAOUALA Dr A. CHEIKH Dr K. MILED

11:00	St 2: Practical demonstrations: Presentations of venomous species: contention, manipulation & venom sampling	30 min	Dr Vet Z. BENLASFAR Dr K. MILED
11:30	Assessment test	05 min	
11:35	End of session		

<b>Tuesday November 07, 2023: Module 4: Environment (COL SEN (MD) MT. KHOUFI)</b>			
Military dress: Class B uniform			
<b>Schedules</b>	<b>Titled</b>	<b>Duration</b>	<b>Speaker</b>
13:30	Knowledge assessment pre-test	05 min	
13:35	Module overview	05 min	SEN COL (MD) MT. KHOUFI
	<u>Conferences</u>		
13:40	The health risks of a Saharan environment	20 min	MAJ (MD) J. MEZOUGH
14:00	Psychological impact of the Saharan environment on the performance of soldiers	20 min	COL (MD) H. KEFI
14:20	Hygiene of the environment of a camp in a Saharan environment	20 min	MAJ (MD) J. MEZOUGH
14:40	Planning of medical support for forces in operations in the Saharan environment	20 min	LTC (MD) M. HAGUI
14:50	Discussion	10 min	
14:55	Assessment test	05 min	
15:00	Environmental risks on equipment deployed in the field	60 min	Off EMAT
<b>16:30</b>	<b>Visit to the Palm museum</b>		

<b>Wednesday November 08, 2023: Module 5: Water management and safety (SEN COL (Vet) M. JEBALI) ("Rjim Maâtoug")</b>			
Military dress: BDU uniform			
<b>Schedules</b>	<b>Titled</b>	<b>Duration</b>	<b>Speaker</b>
7:00	Departure from the hotel		
10:00	Arrival at "Rjim Maatoug"		
10:10	Knowledge assessment pre-test	05 min	SEN COL (Vet) M. JEBALI
10.15	Module overview	05 min	
	<u>Conferences</u>		
10.20	Operational aspects of water management: Case of the Saharan environment	15 min	SEN COL (Vet) M. JEBALI
10:35	Field water analysis	15 min	MAJ (Vet) R. SELMI
10.50	Water management experience in UN operations	15min	LTC (Vet) C. BACCARI
11:05	The "Rjim Maâtoug" Oasis: Presentation and visit	20 min	MAJ (Vet) R. SELMI Off ODRM
	Coffee Break		
	<u>Workshops</u>		
11:45	St 1: Technological aspects of water purification	20 min	SEN COL (Vet) M. JEBALI
12:05	St 2: Practical approach to water disinfection	20 min	LTC (Vet) C. BACCARI
12:25	St 3: Operational equipment for water analysis	20 min	MAJ (Vet) R. SELMI
12:45	Evaluation test	10 min	
	Lunch		
13:30	Departure to DOUZ via AL MAHDATH		

**Thursday November 09, 2023: Module 6: Survival in the Saharan Environment  
"Douz" (LTC (Vet) H. Ben YAHIA, MAJ (Vet) SELMI R.)**

Military dress: BDU uniform

Schedules	Titled	Duration	Speaker
08:30	Field trip		
09:00	Presentation of desert flora and fauna	20min	MAJ (Vet) R .SELMI
09:20	Specificities of food in the Saharan	20 min	LTC (Vet) H. BEN YAHIA
09:40	environment	20 min	MAJ (Vet) R. SELMI
10:00	Rules of survival in the Saharan environment	20 min	LTC (Vet) H. BEN YAHIA
10.20	The camel in the Saharan environment	20 min	MAJ (Vet) R. SELMI
	Hygiene rules and prevention of envenomation in a camp in a Saharan environment		
10.40	Presentations of food in the Saharan environment - Tastings	30 min 30 min	LTC (Vet) H. BEN YAHIA LTC (Vet) H. BEN YAHIA
11:00	Presentations of samples of the fauna and flora of the desert		
11:20	Hiking - Mehari		
12:30	Lunch		

**Thursday November 09, 2023: FTX in "Douz" (Col (MD) C. ROMDHANI)**

Military dress: BDU uniform

Schedules	Titled	Duration	Speaker
14:00	Heat Stroke (Simulation)	30 min	COL (MD) C. ROMDHANI
14:30	"Airevac" in the Sahara - Dehydration (Simulation)	30 min	COL (MD) I. KANOUN
15:00	Coffee Break	30 min	COL (MD) C. ROMDHANI
15:30	Envenomation	30 min	COL (MD) C. ROMDHANI
16:00	Back to Tozeur		

**Thursday November 09, 2023 (evening): Fence**

Military dress: Class B uniform

Schedules	Activity	Duration	Speaker
8:30	Dinner / Distribution of diplomas	60 min	

**Friday November 10, 2023: Visit of the city of TOZEUR (Lunch on site)**