First French Armenian Colloquium

1^{er} colloque médical franco-arménien sur la prise en charge médicale des blessés du conflit du Haut-Karabakh

Bilan d'un an de coopération franco-arménienne et perspectives

Bone and joint infection Workshop







2 cases Managed during previous missions In the Erebuni Hospital



T. Ferry

- Trauma of upper and lower limbs are common in war-related injuries
- Armenian experience in the management of acute bone injuries and particular skills of orthopaedic surgeons
- Lot of patients with complex clinical situations
- A multidisciplinar evaluation is needed for the treatment of complex bone and joint infection

Could help to keep the function (bone healing) and avoid occurrence of more complex situations, and amputation



Orthopaedic Surgery

Nerve surgery Surgery







Orthopaedic Surgery

Nerve surgery Surgery



Neurology Electromyography

Imaging
Nerve sonography

Plastic Surgery

Rehabilitation

Pain management

Infectious disease

T. Ferry

Imaging CT-scan



Microbiological diagnosis Bone infection



Orthopaedic Surgery



Neurology Electromyography



Imaging Nerve sonography



Imaging CT-scan



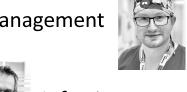
Plastic Surgery



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Rehabilitation

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Microbiological diagnosis
Bone infection







- Medical standard of care for bone and joint infection treatment is unfortunately not adequate for chronic and complex cases
 - The concept of biofilm and latent infection
 - Bacteria is the enemy +1 ilm)
 - Without that, you may totally <u>fy him</u> Abso loose the benefit of surgery
 - Need
 - mical intravenous antibiotics that need to be Need changed adequatly depending on the enemy profile
 - Prolonged antimicrobial therapy targeted the enemy (3 months)

Could help to keep the function (bone healing) and avoid occurrence of more complex situations, and amputation





- Hospices Civils de Lyon missions dedicated to infection
 - Multidisciplinar meetings to discuss complex cases
 - Microbiological diagnosis of infection
 - Use of dedicated devices/drugs that are absolutly needed for the standard of care:
 - Peripheral inserted central catheter (PICC-line)
 - Intravenous antibiotics (few available, at high price)
 - Elastomeric infusors for outpatient antibiotics administration
 - Oral antibiotics (some available)

Could help to keep the function (bone healing) and avoid occurrence of more complex situations, and amputation



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Possible to set up

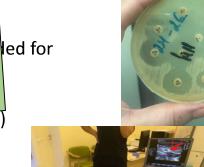
in the Armenian current context

Elastomeric infusors for outpatient antibiotics administration

• Oral antibiotics (some available)

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• Recommendations



• Recommendations

- Creation of a multidisciplinar group where complex cases could be discussed
- Implementation of the microbiological diagnosis (centralisation?)
- Creation of (a?) dedicated center(s)/team(s) for the multidisciplinar management of complex bone and joint infection?
 - Complex orthopaedic and plastic surgery/Microbiological diagnosis
 - Management of the antimicrobial therapy (intravenous and oral)

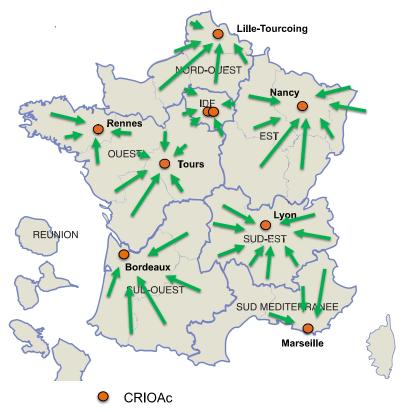
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Labellisation by the French health ministry of Regional centers

CRIOAc

<u>C</u>entre de <u>R</u>éférence des <u>I</u>nfections <u>O</u>steo-<u>A</u>rticulaires <u>c</u>omplexes



Recruitement of the most complex patients

In the CRIOAc network

To increase the knowledge and skill of dedicated surgeons and physicians



Place of residence of patients who are managed in the CRIOAc Lyon center



• Recommendations

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Recommendations

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 - Complex orthopaedic and plastic surgery/Microbiological diagnosis
 - Management of the antimicrobial therapy (intravenous and oral)
- Dedicated fundings and cost regulation of such approach
- Need to develop access to devices and drugs (antibiotics) at reduced price (centralization of the requests)



Recommendations

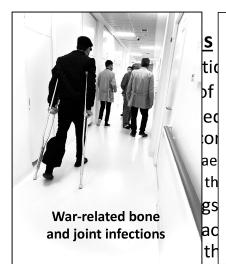
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- Dedicated fundings and cost regulation of such approach
- Need to develop access to devices and drugs (antibiotics) at reduced price (centralization of the requests)
- Creation of post-graduate educationnal program (UCBL1-YSMU)

Could help to keep the function (bone healing) and avoid occurrence of more complex situations, and amputation

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Expected benefit for the general population

Trauma-related infections

Prosthetic-joint infections

• Creation of post-graduate educationnal program (UCBL1-YSMU)

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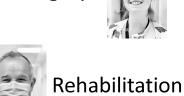
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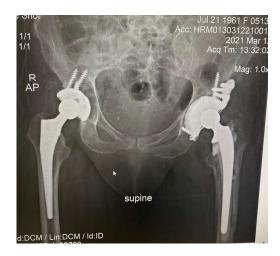
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