

International and cross-border telemedicine: how to make it happen?



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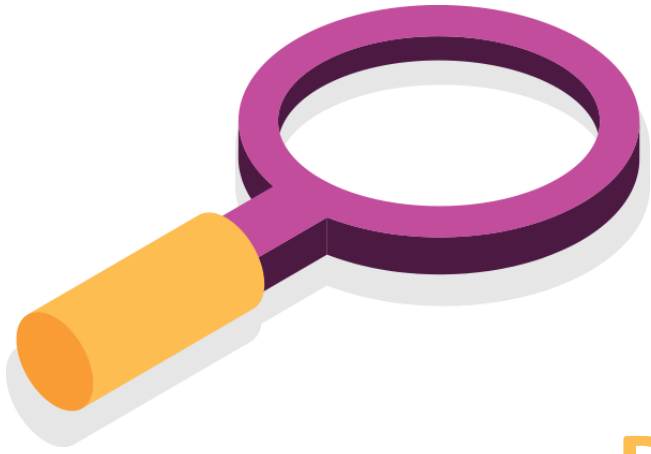
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A patient undergoing surgery in a hospital located in MIMC needs to have a consultation before and after surgery with a French surgeon working in France

**How to develop international
telemedicine between MIMC
and other countries ?**





Doctor - Patient

Teleconsultation

Remote monitoring

Telesurgery

Doctor - Doctor

Tele-expertise

Telediagnosis

Tele-assistance

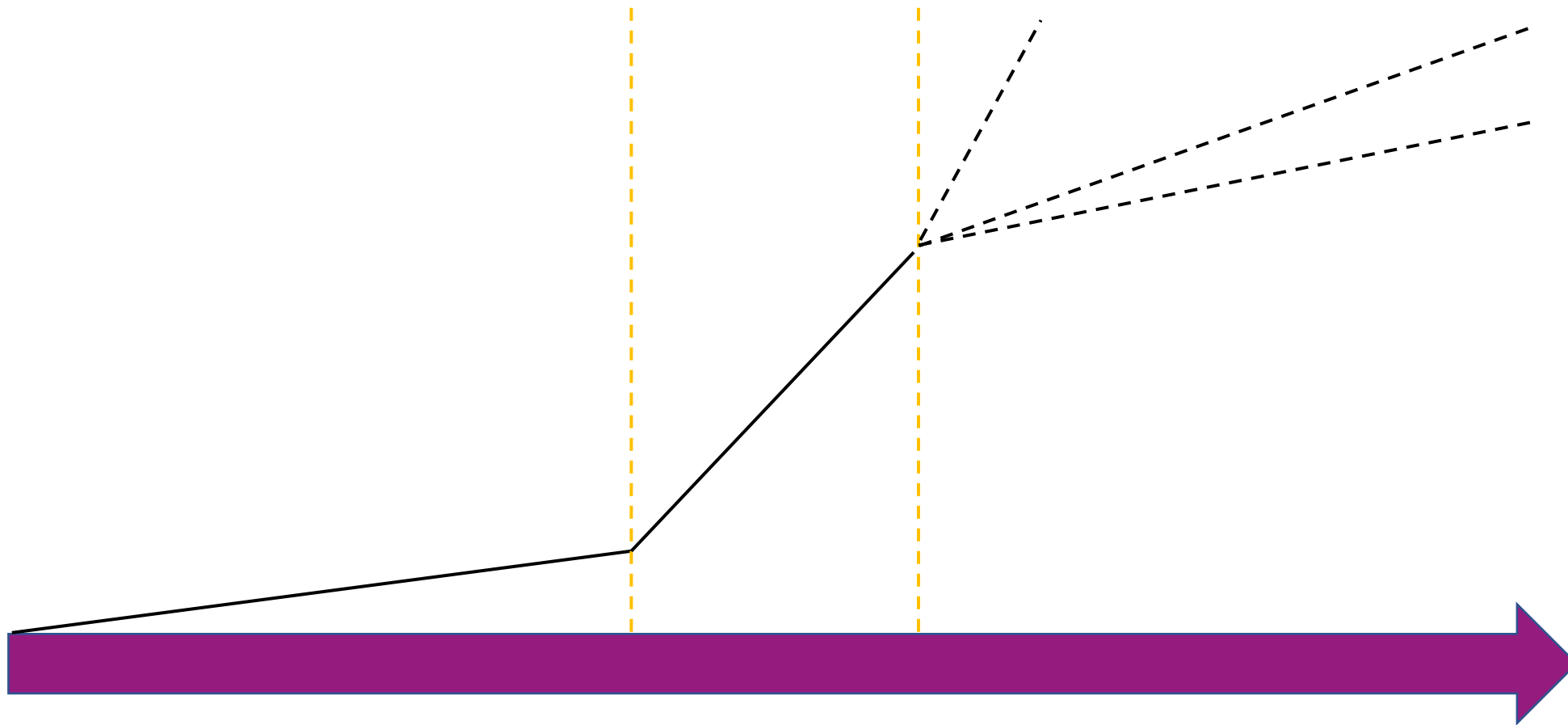
1997 ... 2010 - 2020

2020 - 2021

2021 - 2030

?

Global
Telehealth
Growth



Situation 1

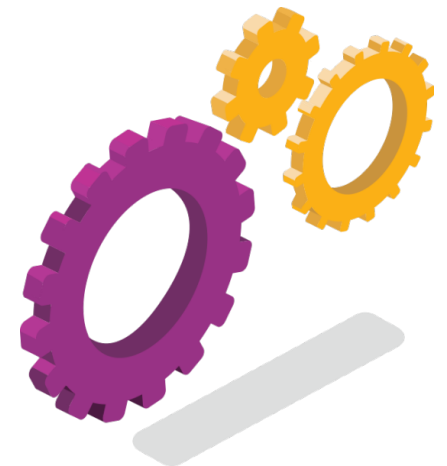
Patient in Russia

**Doctor in other
country**

Situation 2

Doctor in Russia

**Patient in other
country**



To check

- Existing telemedicine regulations?
- Existing health data regulations?
- Does the location of the doctor legally matter?
- Does the location of the patient legally matter?
- Can a foreign licensed doctor practice with local patients?
- Can a local licensed doctor practice with foreign patients?



No regulations

Open practice

High risks

Limited barriers

Limited regulations

Rights and duties unclear

Lower risks

High barriers

Developed regulations

Rights and duties clear

Limited risks

Limited barriers

Option 1

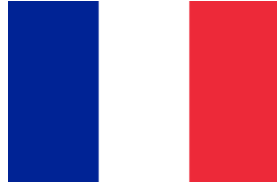
Completely authorized without prerequisite

Option 2

Authorized only if special conditions met

Option 3

Completely forbidden



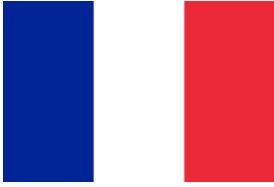
Example : France

| | French living in France | French not living in France | Not French not living in France |
|---------|-------------------------|-----------------------------|---------------------------------|
| Patient | X | | |
| Doctor | | X | |

OK

| | French living in France | French not living in France | Not French not living in France |
|---------|-------------------------|-----------------------------|---------------------------------|
| Patient | | X | |
| Doctor | X | | |

OK

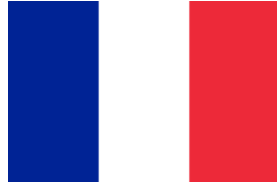


Example : France

| | French living in France | French not living in France | Not French not living in France |
|---------|-------------------------|-----------------------------|---------------------------------|
| Patient | X | | |
| Doctor | | X | |

OK

A French licensed radiologist is performing teleradiology from Australia for French patients with data stored in France or EU



Example : France

| | French living in France | French not living in France | Not French not living in France |
|---------|-------------------------|-----------------------------|---------------------------------|
| Patient | X | | |
| Doctor | | | X |

NOT OK
Need board registration

| | French living in France | French not living in France | Not French not living in France |
|---------|-------------------------|-----------------------------|---------------------------------|
| Patient | | | X |
| Doctor | X | X | |

May be OK
depending on doctor insurance



Example : Armenia

| | Armenian living in Armenia | Not Armenian not living in Armenia |
|---------|----------------------------|------------------------------------|
| Patient | X | |
| Doctor | | X |

Russian radiologist performs teleradiology reports from Russia with Armenian patients hospitalised in Armenia: currently done but lack of regulations so unclear legal situation



Example : Kingdom of Saudi Arabia

| | Saudi living in Saudi Arabia | Not Saudi not living in Saudi Arabia |
|---------|------------------------------|--------------------------------------|
| Patient | X | |
| Doctor | | X |

Foreign radiologist performs teleradiology reports from foreign country with Saudi patients hospitalised in KSA: forbidden if not licensed in KSA and data not located in KSA



APPENDICES

APPENDIX 1: REQUIREMENTS FOR PROFESSIONAL LICENSURE

| No. | Scenario | DHA Licensed | Comply with other regulatory authority requirements |
|-----|--|--------------|---|
| 1. | A Physician within DHA Jurisdiction providing telehealth services to a patient in Dubai. | ✓ | Not Applicable |
| 2. | A Physician within DHA Jurisdiction providing telehealth services to a patient outside the Emirate of Dubai. | ✓ | ✓ |
| 3. | A Physician outside DHA Jurisdiction providing telehealth services to a patient in Dubai. | ✓ | ✓ |
| 4. | A Physician outside DHA Jurisdiction providing telehealth services to a patient outside Dubai. | x | ✓ |
| 5. | A Physician-to-Physician using telehealth within DHA Jurisdiction <i>in the same medical field</i> . | ✓ | Not Applicable |
| 6. | A Physician (A) using telehealth within DHA Jurisdiction to consult with an expert physician (B) outside DHA Jurisdiction <i>in the same medical field</i> . | (A) ✓ | (B) ✓ |



- 1. MIMC has a special status with international healthcare providers**
- 2. Telemedicine will be used within MIMC with other countries**
- 3. Framework may be required to promote and ease international telemedicine**
- 4. Easy international telemedicine could support MIMC activities**

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World Health
Organization



وزارة الصحة
Ministry of Health



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