

HOSPITAL INTRODUCTION: CLINICS & TECHNOLOGY HOSPITAL CLINICO MAGALLANES

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Outline

- Hospital profiles and its existing telemedicine set-up, activities and plans
 - introduction of clinics/surgery/endoscopy profiles, medical needs for telemedicine - **presented by doctor** (3 mins)
 - Hospital Telemedicine resource: staff, internet, equipment set-up, experience, current problems - **presented by engineer** (3 mins)

Outline

- Clinical Hospital of Magallanes is the most important health center of the XII region in the southern end of the country
- It is an accredited hospital of approximately 400 beds with practically all medical and surgical specialties.
- There is surgery service with the development of laparoscopic surgery in upper and low digestive and thorax surgery

Endoscopy

- We have a diagnostic and therapeutic endoscopy unit with two procedure rooms.
- The therapeutic procedures, that require x-rays are developed in the central surgical rooms (ERCP, stricture balloon dilatation, autoexpandible stent installation, massive gastrointestinal bleeding, etc)
- We carried out a Colo-rectal Cáncer screening program in network with other public hospital in Chile and Clinica Las Condes de Santiago (PRENEC)

5TH ANNIVERSARY PRENEC PUNTA ARENAS WITH DELEGATES THIRD COUNTRIES (PERU-COLOMBIA)



Introduction of clinics/surgery/endoscopy profiles

- Hospital Clínico de Punta Arenas. XII region, Chile
- Human Resource (clinician). Three endoscopist gastroenterologist and two surgeons
- Main or flagship services : Internal Medicine Service on wich the Endoscopy Unit depends and Surgical Service
- Bed Occupancy : 400 bed with occupancy rate higher 80%

medical needs for telemedicine

- Existing telemedicine set-up and activities .
 - For this program (PRENEC) we have a monthly meeting by telemedicine of clinical cases with all participating centers.
- Future plans:
 - We would need to expand telemedicine for case of presentations of other pathologies and receive videos of endoscopic and surgical procedures and conference from important centers

Hospital Telemedicine resource

- Staff : The Hospital consists of an engineer and an administrative officer for the Videoconference activities in Telemedicine.
- Internet is provided through the Minsal Network with 100 Mb, there are firewall rules where you have secure sites where Videoconferencing software is not included, for Polycom equipment there is a VLAN with 384 Kb insured.
- It should be noted that our regional internet access through fiber optic cable installed in Argentina, being they the service administrators, there have been falls in service, for more extreme places we use satellite services.
- Equipment set-up : The Hospital has two videoconferencing equipment: Polycom HDX 8000 equipment in the UCI Service and the Polycom HDX 7000 equipment located in the Videoconference Room connected to the Videoconference Vlan.
- • Experience: The medical team of Gastroenterology performs periodic videoconferences, for use with the quality of the images sent before the telemedicine meeting, Polycom HDX 7000 equipment is used. Other Services use videoconference software transmitting PACS images or images from Echographs.

Hospital Telemedicine resource

- Problems Concurrent
- According to the low quality of the internet, many times doctors do not use Videoconference services, opting for other means such as Wathsapps or email for example.
- Expectation :
- Secure internet traffic for Telemedicine, achieving this will make the use of Videoconference software more massive.