

HOSPITAL INTRODUCTION: CLINICS & TECHNOLOGY

Centre of Gastroenterology-Hepatology "HAM Akil"
Wahidin Sudirohusodo General Hospital

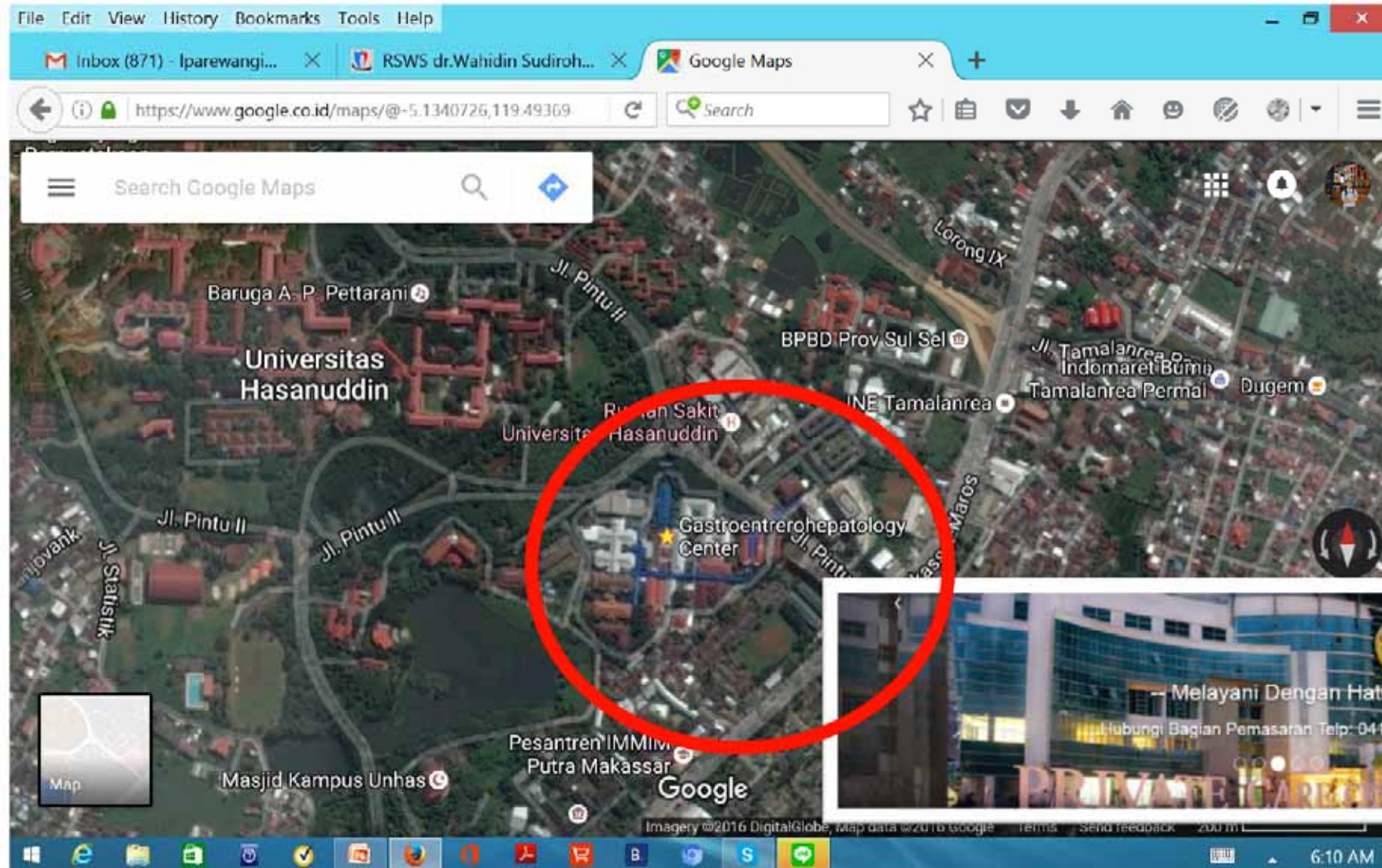
Division of Gastroenterology-Hepatology, Department of
Internal Medicine
Hasanuddin University, Makassar



AM Lutfi Parewangi, Rini R. Bachtiar, Poentoro



Place





Dr Wahidin Sudirohusodo hospital state:

- The Largest and Main referral Hospital's in east Indonesia
- Provide services with more than 255 medical specialists and subspecialists



PUSAT

PELAYANAN, PENDIDIKAN DAN PENELITIAN PENYAKIT SALURAN CERNA & HATI

The Center Of Gastroentero - Hepatology

RS. PENDIDIKAN FAKULTAS KEDOKTERAN UNIVERSITAS HASANUDDIN / Dr. WAHIDIN SUDIROHUSODO
MAKASSAR 90245

RNA & HATI
logy
UDIROHUSODO



Human Resource

Human Resource (Clinicians)

- Fardah Akil, MD, PhD, FINASIM, KGEH
- AM Luthfi Parewangi, MD, PhD, FINASIM, KGEH
- Nu'man AS Daud, MD, PhD, FINASIM, KGEH
- Rini Bachtiar, MD, FINASIM, MARS, KGEH
- Amelia Rifai, , MD, FINASIM, Fellow-GEH
- Susanto Hendrakusuma, MD, FINASIM, Fellow-GEH



Main - flagship services

Main or flagship services

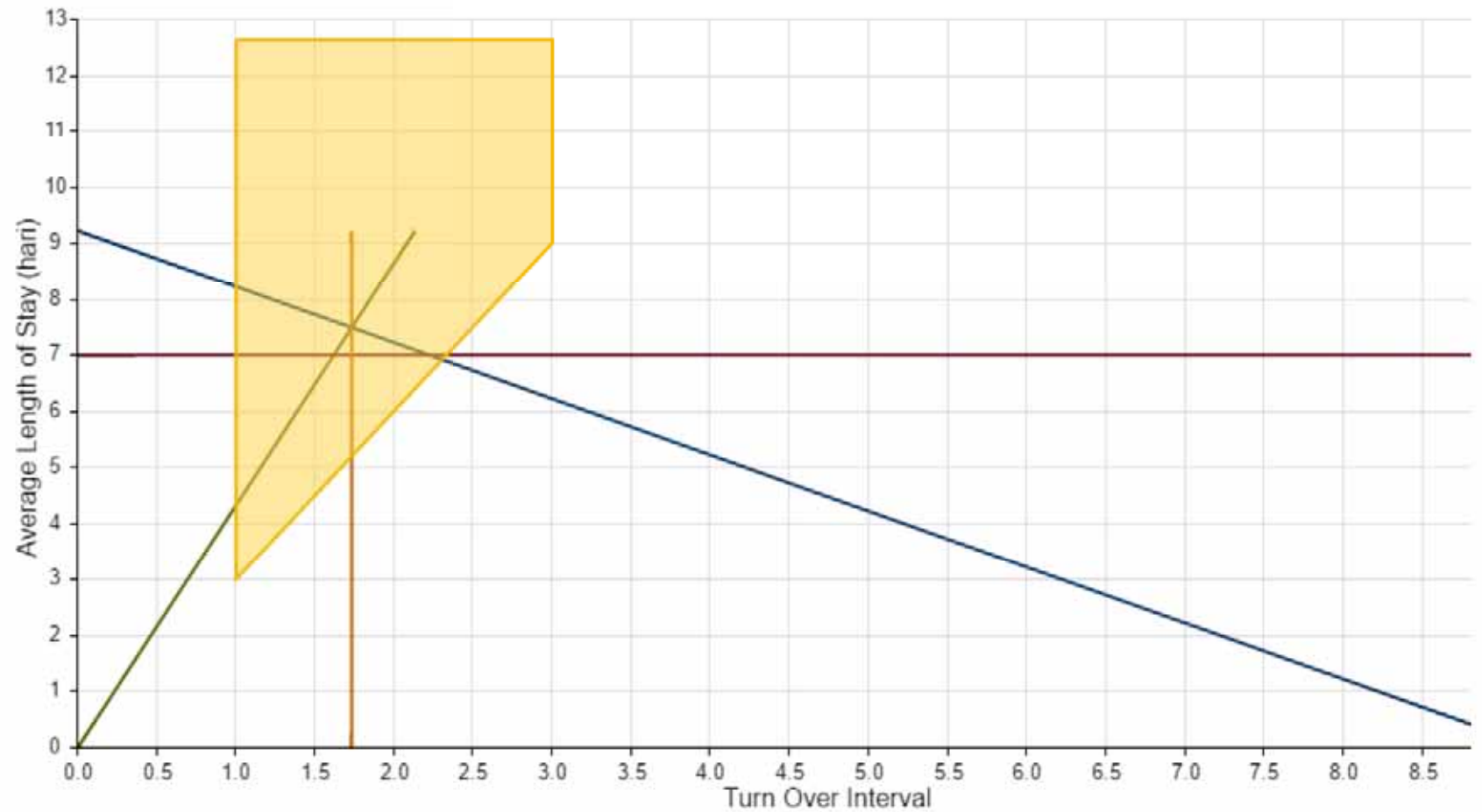
- GEH polyclinic
- Centre of Endoscopy: Gastroenterologist, Pulmonologist, Head and Neck
 - Diagnostic
 - Esofagogastroduodenoscopy
 - Colonoscopy
 - Bronchoscopy
 - Laryngoscopy
 - ERCP
 - Therapeutic
 - VBL, Polypectomy
 - ERCP therapeutic
 - Esophageal stent
- Teaching
 - Basic endoscopy training



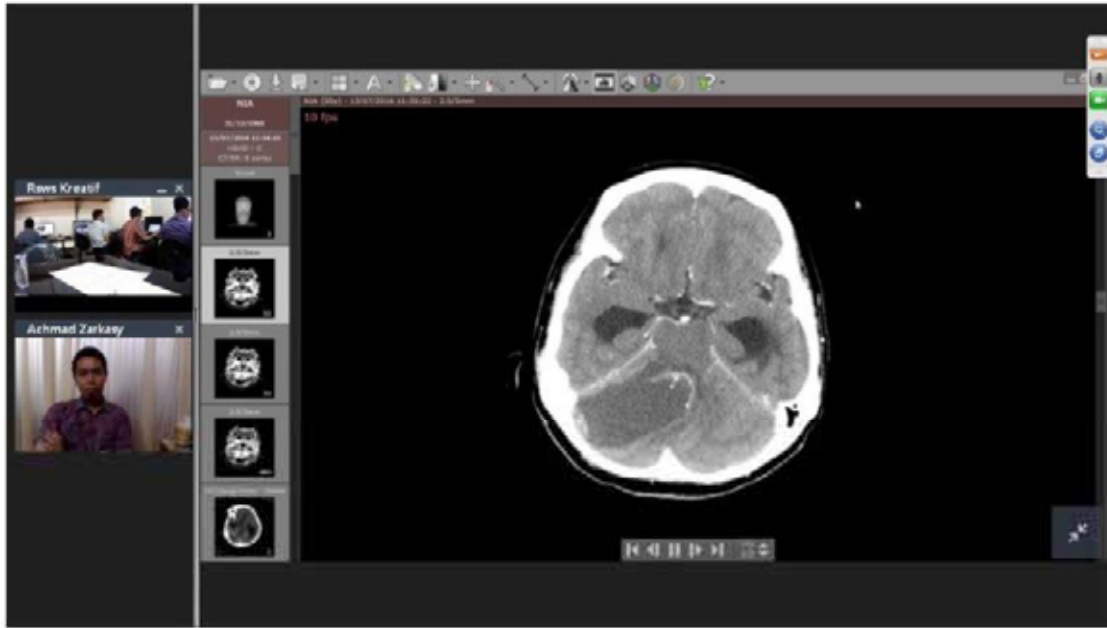
Bed Occupancy

DESKRIPSI	VALUE
AWAL	684
MASUK	1.000
KURANG48JAM (MENINGGAL)	17
LEBIH48JAM (MENINGGAL)	79
JMLKELUARHIDUP	908
JMLKLR	1.004
LAMADIRAWAT	7.015
HARIPERAWATAN	7.512
PASIENDIRAWAT	679
TTIDUR	841
JMLHARI	11
BOR	81,20
AVLOS	6,99
TOI	1,73
BTO	1,19

GRAFIK BARBER JOHNSON



Existing telemedicine set-up and activities



Future plans





Connected

Learning-Education

- Lecture
- Case Discussion
- Supervision in advance gastroenterology procedure
- Many Cases with many options → solve problems
- Multi center Research

Hospital Telemedicine resource –Key person

- Doctor: dr. Rini R. Bachtiar, SpPD-KGEH.MARS



- Engineer: Poentoro, S.Si/ Faisal



- Coordinator: Dr. dr. Lutfi Parewangi, SpPD-KGEH



Hospital Telemedicine Resource

• Internet

- Commercial
- Bandwidth global 20 mbps (1:1) dedicated by telkom
- astinet and global 3 mbps (1:1) by icon plus
- Conecting cable using Fiber Optic & Cat 6
- Routing & Security (cisco and microtic)



• Experience

- Harapan-Kenyataan dan Solusi JKN tentang Sistem Rujukan dan Klinik Eksekutif , by GotoWebinar mei 2016
- Teleconference Teleradiologi by Umeetme tgl 2 April 2015
- Blended Learning Pencegahan dan Pengurangan Fraud di RS by Goto Webinar
- Video conference Rapat Koordinasi dengan Kemkes, 04-2012 by Google ++
- dll



• Equipment

- Teleconference room : 10 x 10 m²
- Teleconference devices : Web Cam HD resolution
- Audio Mixer
- Software : Skype, GotoWebinar, UmeetMe, Broadcom Video Streaming + Web Page viewer, Google +



Hospital Telemedicine Resource

Current problems

Security of medical data and video ?

Unstable Internet Connection

Limited Number of Participants in VidCon Software



Expectation

Security system for medical data

Stable internet connection from provider during VidCon

Unlimited number of participants in VidCon Software

Access via Smart Phone



Thank You