IOT

Options:

1-

Communicate between PI and mobile of doctor in the same wifi network, w'll use MQTT (Message Queuing Telemetry Transport) application in command window, and MQTT mobile app. or computer program To control the robot.

https://www.youtube.com/watch?v=lnHyVswZksM&ab_channel=CoreElectronics

or

VNC program

https://www.circuitbasics.com/access-raspberry-pi-desktop-remote-connection/

2-

Communicate between PI and mobile of doctor, at the same time other communication between PI and the room of patient (bottum to call the robot, sensors for follow-up the patient condition and the intravenous fluids..,…) in this case we will need a node-MCU ESP8266, and the communication will be via the same wifi network, by inserting : IP of raspberry and mobile , (ssid, password of wifi).

3-

Communicate between PI and other objects remotly, we will use a putty program and SSH protocol to make a something like cloud for sending and receiving orders.

This video show how to make this connection:

https://www.youtube.com/watch?v=uNStEDWnPxY&ab_channel=ExecuteAutomation