



TELE-USG REPORTING SYSTEM (ABDOMEN & PELVIS)

About Us

KALPAK was established with the aim of providing quality and affordable Healthcare Services from the health specialist across the globe through Telemedicine reporting software. Company has been in existence for more than three years. The company is basically engaged in the development of the tele reporting systems. The company is headed by the IT professional who has more than 40 years experience in IT. The reporting software for USG has been developed in consultation with renowned radiologist in India.

Our Mission

To assist the specialised doctors (radiologist) to prepare the reports with few clicks of the mouse in no time.

What does USG Indicate

Ultrasound exams can help diagnose variety of conditions and assess organ damage following illness.

Doctors use ultrasound to evaluate pain, swelling and infection of various internal organs like Liver, Gall bladder, Spleen, Pancreas, Kidneys, Bladder, Uterus, ovaries, etc.

Standard Practice

Whenever a patient desires / is advised to have an USG , the patient visits a radiologist for USG scan . At times the patient travels kilometres together to get services of such radiologist. Once the patient visits the radiologist , radiologist takes images and provides medical consultancy to the patient. Normally there are very few radiologists available to provide such services.

In such a scenario the patients who are in urban areas manage to get good medical health check-ups whereas patients from distant villages are unable to travel to urban areas and get such qualified services and hence they do not get proper and timely medical advise from experts.

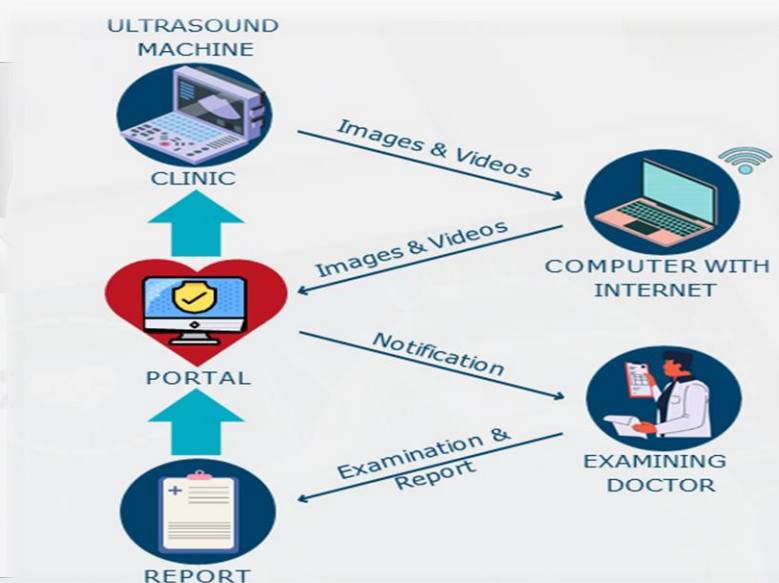
Even in urban areas a specialist radiologist moves from one hospital to another hospital for providing services and in emergencies she/he also gets stuck for want of time , thus depriving her/his services to patients in other hospitals.

How tele USG reporting software works

- Here the patient shall visit the nearest hospital/clinic/diagnostic-center having an ultrasound machine. The images / Videos of the heart as per the set protocol has to be taken.
- These images / videos shall be transferred to our portal. The doctor to whom the case is assigned shall get the alert about the new case. The assigned doctor shall log into the system , analyse the images, videos and the measurement file and give his observations, impressions and the diagnosis and prepare the report.
- On submission of the report by the reporting doctor the sender (hospital /clinic/ diagnostic-center) shall get the intimation. The hospital/clinic/diagnostic-center shall print the report and give to the patient.
- The turn over time shall be less than the hour.
- The report can also be directly emailed or whatsapp on phone numbers provided by the patient. The hospital/clinic/diagnostic-center can assign the case to any doctor in the world.

Pictorial Diagram

The reports are printed on the letter heads or the layout provided by the clinic / hospital.



Features of Tele-USG reporting software

- Reporting by doctors on fly through e-devices on 24 X 7 basis
- Ability to transfer the cases from one doctor to another doctor based on the requirements.
- Provision to see the slide show of all the images / videos of the patient to the doctor
- Reports in various formats as desired by the clinic / hospital Provision to add as many observations by the examining doctor ddisplay of various measurements taken at the clinic
- Provision to capture the image / video screens as and when required
- Storage of data for future for analysis and comparison patient
- On the Spot refereeing of critical images for expert opinion if required
- Ability to prepare check and finalise the usg report before final submission Option for emailing and whatsapp the report
- Option for printing of critical images, measurements, observations, special findings, organs diagrams in the report
- Dashboards for clinic for viewing the status of various cases Dashboards for doctors for viewing the status of various cases
- Provision for detailing in detail various observations
- Option for insertion of comments by the doctor in the images /videos
- Ability to change the report format as per the requirements of the doctors and the clinic
- Ability to play the video in various frames per second
- Provision for taking additional measurements for the doctors on the images / video



Components Of Tele-USG Reporting software

Clinic Side

- Upload usg images from ultrasound machine to a computer system and assign the cases to the doctors for the examination
- Printing of the report for submission to the patients

Doctor side

- Examine and study the USG images and the videos, study the measurements
- Preparation of the USG report
- Submission of the USG report to the clinic
- Provide medical advice wherever necessary

Requirements For Tele-USG

- An ultrasound with the provision to export the images / videos
- Laptop / e device for porting the images over Internet
- Internet connection

How It Works

- Reporting software is free of charge to the clinics and the reporting doctor
- All the necessary installation and configuration shall be done by us at no extra cost with the help of the clinic staff. The online training also shall be provided at no cost.
- Charges shall be based on SaaS model (as per usage)
- We assure our best of services for the benefit of the society.



Benefits

- The doctor who is having an ultrasound machine but is not the radiologist (eg gynaecologist)
- A radiologist who visits more than one hospital / clinic to carry out the usg examination and is unable to provide his services for more hospitals
- Any remote diagnostic clinic who does not have expertise to examine the usg.
- Any hospital which has an ultrasound machine but there is no specialist radiologist to conduct usg or to examine the usg images.
- A patient who desires to take the second opinion on his already conducted usg study.
- The patient can take the opinion of the expert radiologist all over the world without travelling even though the usg examination is done at the remote place.

Advantages to the Patient

- The patient can get the analysis of the images / videos from the expert doctor of his choice
- This system shall assist any patient to take the second opinion on his case
- This system can be implemented by any diagnostic center having ultrasound and do not have any expert radiologist.
- As the report and the images are stored on the portal, the patient can get the copy of the report at any point of time.
- This system shall increase the service level provided by clinic / hospital

**Please call us or whatsapp us on
9673864601**

**Email: manager@kalpak.online or
usn123naik@gmail.com**

Name :
Gender : Female
Height : 153 cm(s)
Weight : 76 Kg(s)
Date of Ultrasound : 13/10/2023 03:39:33 PM
Reason for Ultrasound : Routine checkup

Case ID : 191
Date of Birth : 17/08/1962
BSA : 1.8
BMI : 32.47
Age : 61 Year(s), 1 Month(s), 26 Day(s)
BP : 0/0 mmHg
Date of Report : 13/10/2023
Referred By : None
Examined By : Dr Amar Bhimrao Kumbhar

Following observations were obtained

LIVER : Fatty changes: Grade I

LEFT KIDNEY : Is smoothly marginated.
 Carticomedullary differentiation is maintained
 No hydonephrosis
 No abnormal growth seen
 No calculi or calcinosis

RIGHT KIDNEY : Is smoothly marginated.
 Carticomedullary differentiation is maintained
 No hydonephrosis
 No abnormal growth seen
 No calculi or calcinosis

ADRENALS : Not Enlarged

PANCREAS : Head, tail and body of the pancreas appear normal

GALL BLADDER : Is normal in size, shape and position
 Wall is not thickened
 No calculi
 No polyp

SPLEEN : Is normal in size and overall echogenicity
 Splenic vein is normal
 No varieces

AORTA : Is well seen and is smooth
 No aneurysmal dilatation
 No calcification

IVC : Is normal in size
 Collapses during inspiration
 Contents clear

URINARY BLADDER : Is full
 Normal bladder wall
 No calculi
 No growth

LYMPH NODES : No significant lymphadenopathy

HERNIA : No hernia seen

UTERUS : Normal in size

RIGHT OVARY : Normal in size

LEFT OVARY : Normal in size

ASCITES : Normal

INTESTINE : Small Intestines and Large Intestines are Normal

APPENDICITIS : Normal in size.

EOFLUID : Normal.

Impressions

Grade I Fatty Liver

S/d

MD Radiologist

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Critical Image (s)

