

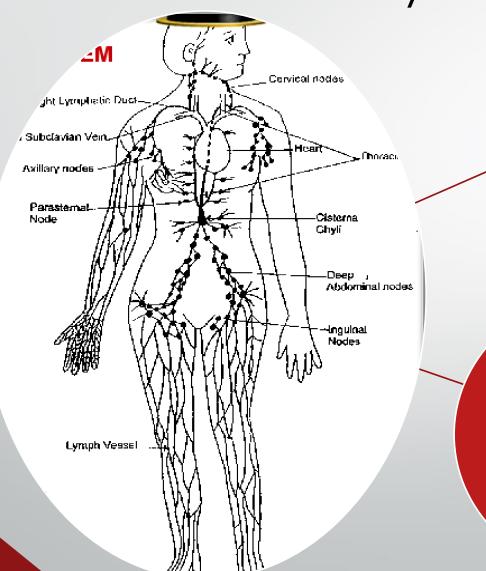
Arun Rekha Gogia

Chairperson LE&RN India chapter

Executive Member SATHI

The lymphatic system is a part of the circulatory



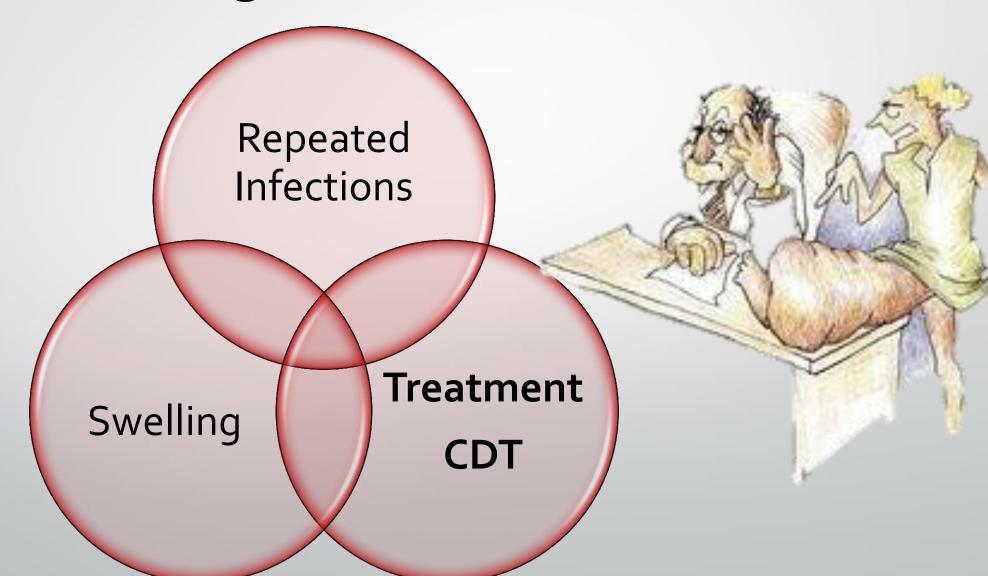


Responsible for the transportation of retained tissue fluid back to the heart – also called the bodies sewage system

This system can be damaged by many conditions, including developmental disorders, surgery, trauma, or chronic diseases of the heart / veins, as well as many other potential causes – especially Filariasis

Estimated incidence 25 Million cases in India - 18 million due to Filariasis alone

From Diagnosis to Treatment





4th highest cause of morbidity in the world 50% of global load –Neglected in Indialeading to depression QOL







CARE PROTOCOL-TOP OF PYRAMID 10%

Consultant medical practitioner: 10%

Specialist Lymphoedema Clinics Approx, 20%

Self-Management-Approx.70%



Consultant Medical practitioner should have access to the full range of diagnostic services, including Doppler scan, CT scan, MRI and lymphoscintigraphy which may be necessary to confirm diagnosis or to exclude venous thrombosis or progression of malignant disease.

When
lymphoedema is
suspected, the
patient should be
referred promptly to
the lymphoedema
service for
assessment and
treatment.



The Treatment Protocol Care in specialized center is only 20%





Self-Management Compliance is the Issue

 Self-management by patients is not optional but inevitable because clinicians are present for only a fraction of the patient's life, and nearly all outcomes are mediated through patient behavior / Compliance

Definition

- Taking responsibility
- Participating
- Disease management • Decision making
- With or without help

Self-Management 70%

Why Limb Care Clinic is ideal for Telemedicine Other problems – Venous ulcer, Diabetic foot

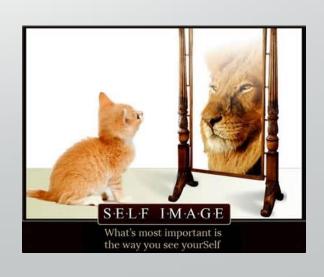
More of a Social Problem



Loss of self-esteem, inability to work leads to possible depression

Care is easy and possible at the community level <u>K N O W L E D G E</u> of how to care is however missing

Not only by the local healthcare providers but even by the medical community



Protocol tested for 4 years at AIIMS

(India's Premier Hospital)

Lymphoedema is common

It is chronic and incurable and requires lifelong management

Has a significant impact on quality of life

Self management is the key

Need for Counselling-options available

On how to self manage-, exercise, skin care

TESTING THE PROTOCOL IN A REMOTE AREA WITH TELE MONITORING





Pilot Project

The Approach*

Creation of treatment and follow up COMMUNITYcentres with local collaboration

Local volunteers to provide basic care

Training and Initial review of patients Online

Local surgeons for monitoring and procedures

• Orientation and training Online

Equipment Supply

T.O.T.

EHR

Surgeons in surrounding townships

Troubleshooting and further management from our centre

•Plan to collaborate and do first a screening camp (1 day) followed by treatment camp (4 days

Discussions for Intervention UP State Govt

<u>SATHI</u>

- Knowledge
- Partner

 A farmer's co-operative working with landless farm labourers PISAWAN_UP

Sangtin

UP State Govt

 Used their facilities and staff

Phase I – Pre Screening Camp



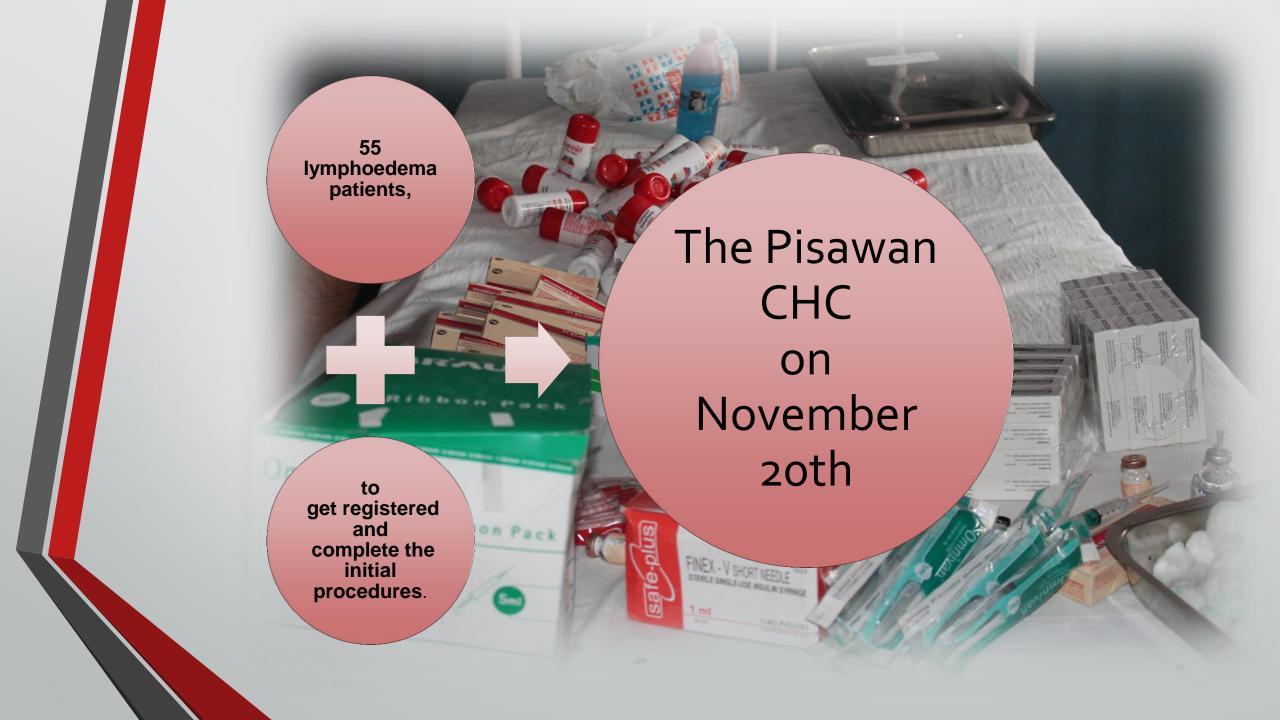
All patients Registered and Screened

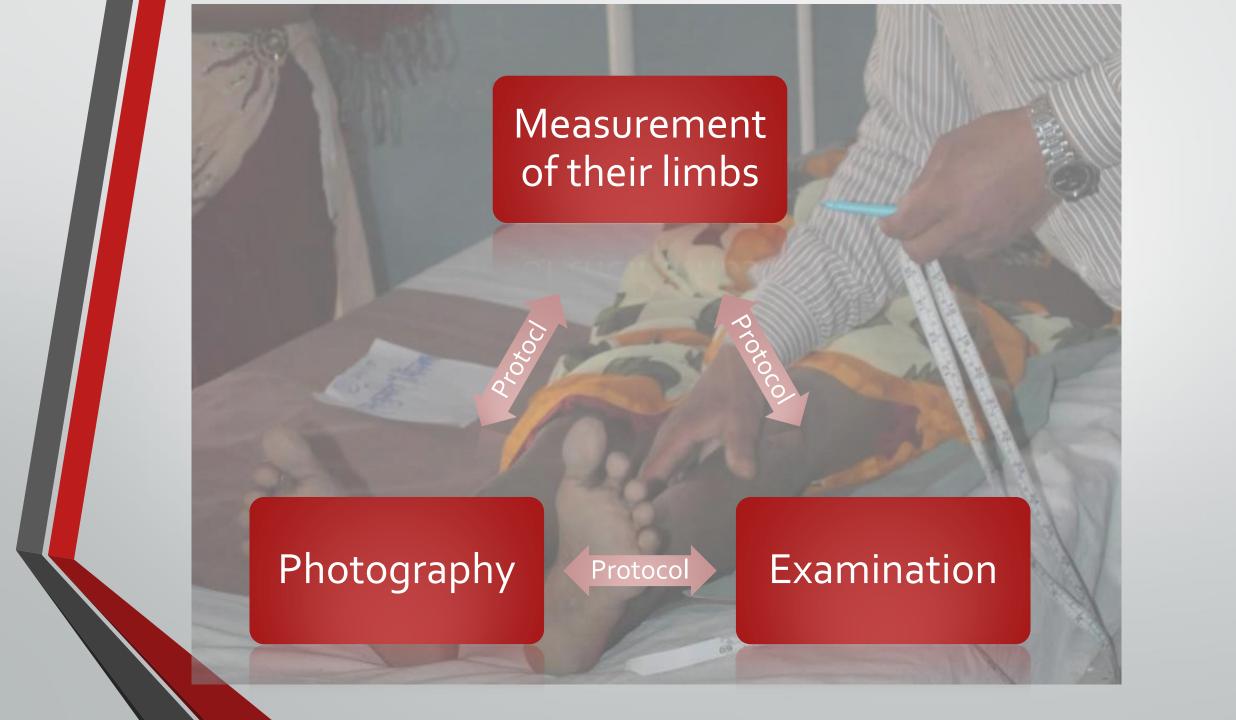




85 patients examined and counselled











4) Skin Care

2) All the patients then underwent leg washing hygiene, exercise



Next Day

Paper accepted for publication

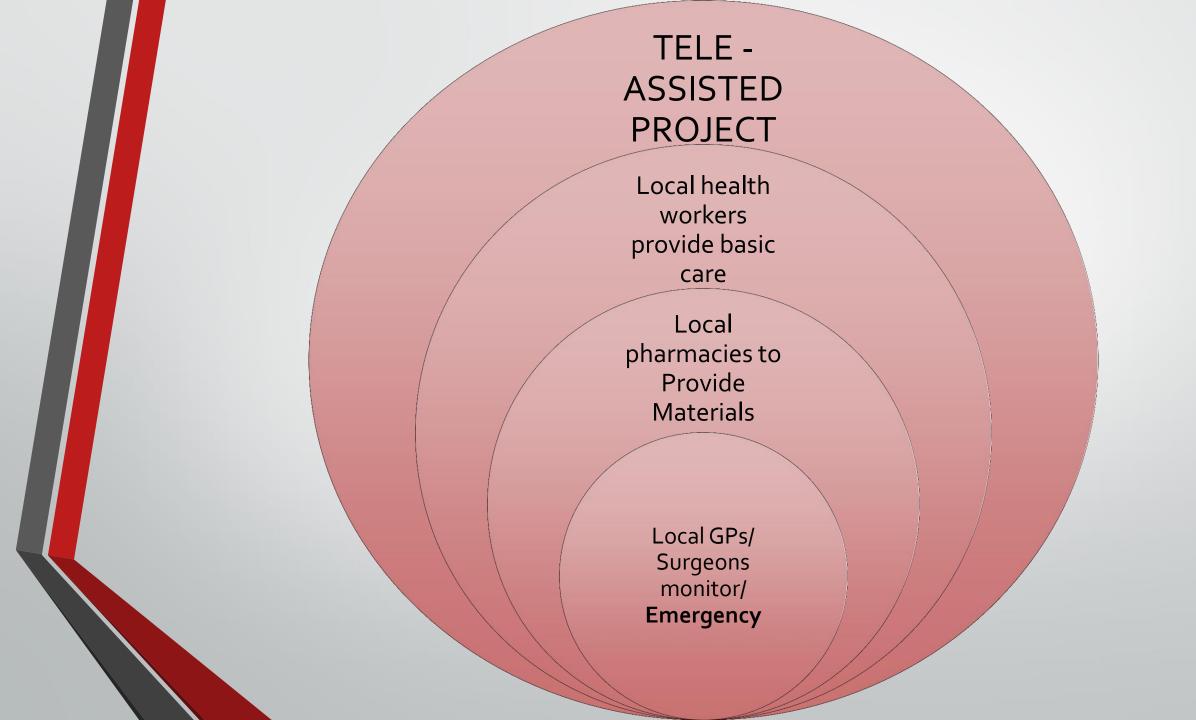
Follow -up

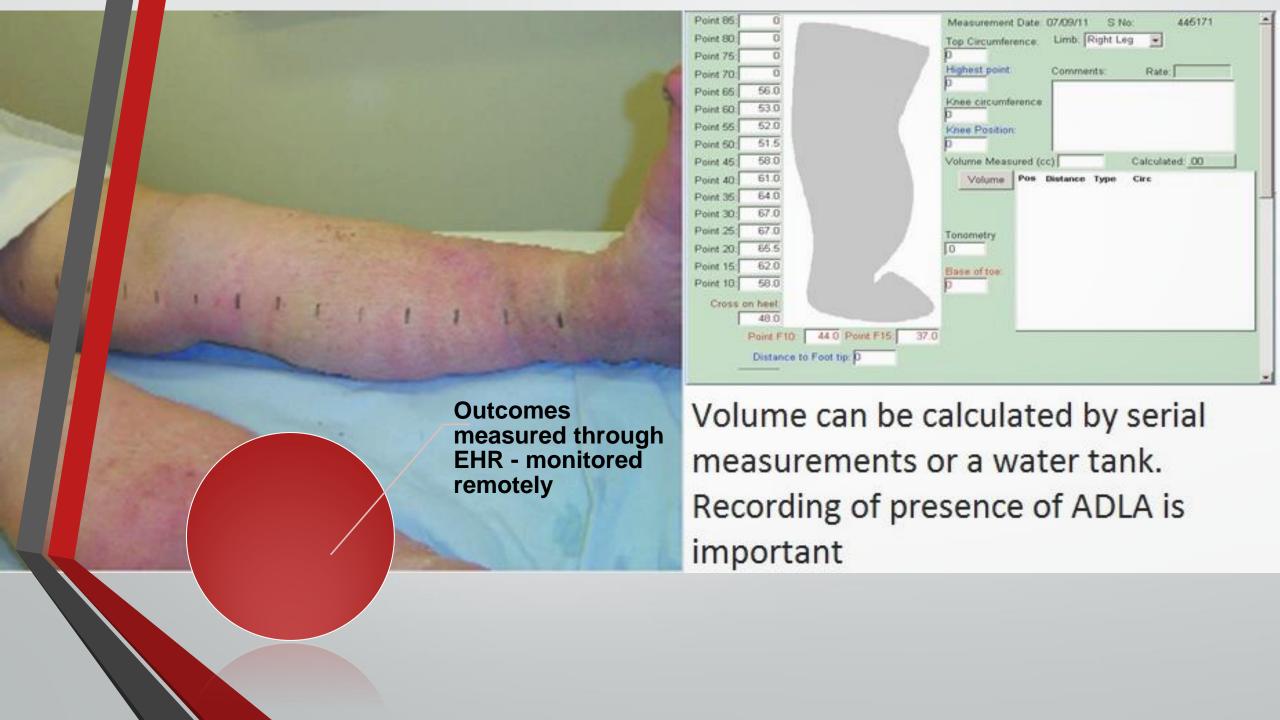
Outcomes and capability for self care

Online Monthly

Monitoring through software







Monthly limb volume data measured for 3 months

Monitored Remotely

Overall Better QOL

- – less pain
- could return to work
- no ADLA episodes

68.7% Improvement –return of limb volume to normal

- After ignoring values > 100% (both sides disease)
- Improvement increased with time (38% initially)



Learning

Possible to deliver care in remote locations

• Incentivizes self care

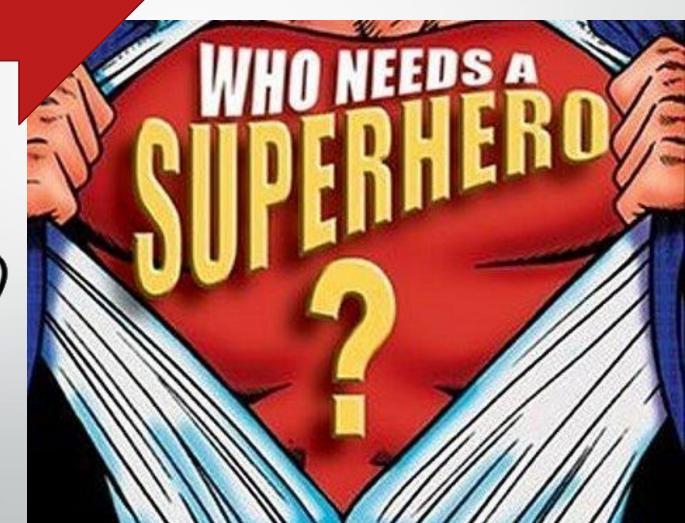
Monitoring required

Telemonitoring saves time / cost of travel



Monitoring helps compliance





THANK YOU

