







The 2nd All Ireland Lymphoedema Conference

Wednesday 13th November 2019

An Grianán, Termonfeckin, County Louth



HSE LYMPHOEDEMA/LIPOEDEMA SERVICES

Kay Morris, MISCP, MSc HCM
Project Manager

Background

A multi-disciplinary cross divisional HSE
 Lymphoedema Working Group was
 established in January 2016 to develop a
 model of care for lymphoedema services and
 national standards in relation to the provision
 of Lymphoedema garments based on best
 practice guidelines.

Work so far

- The Model of Care has been signed off by the HSE
- The guideline for provision of compression garments is still in progress and in the final stages
- The tender process for compression garments is on going and will hopefully start in 2020

National Lymphoedema Oversight Team

- The initial implementation of the model of care is being led by the National Lymphoedema Oversight Team which includes representation from primary care strategy and planning, primary care operations, National Cancer Control programme and acute services.
- A National Clinical Lead position is currently being interviewed for and should be in post by the end of the year.

Summary of the MOC

- Service provision for lymphoedema/ lipoedema is inadequate with significant gaps across the country and inequity of access for non-oncology related lymphoedema.
- Inconsistency in the prescribing and provision of compression garments
- Very limited lymphoedema/lipoedema education in healthcare-related undergraduate courses.

Outline of the model of care

- The model of care for lymphoedema and lipoedema treatment recommends an integrated service between acute care and community care
- Acute services will provide screening and early detection of lymphoedema
- Primary care services will provide treatment services for all patients with lymphoedema regardless of what type of lymphoedema

Primary Care

- On full implementation of the Model of Care each CHO will have a fulltime Lymphoedema Specialist Clinic (LSC) for assessment and intensive treatment.
- Maintenance will be provided in local community services for maintenance treatment and support with direct access back to the LSC

- Each clinic to have access/links to support services e.g. obesity clinics, vascular consultants, dermatology, psychology/counselling, genetics
- There will be one clinic with a speciality in paediatrics and follow up treatment will be available in the local clinics.

Acute services

- Oncology services and other high risk areas will provide every patient with information and education on the risk of lymphoedema,
- There will be screening, early detection and treatment pathways

Staffing

- Using calculated service demand there is a need for 56.2 WTEs nationally to provide a comprehensive service.
- There are currently 11.1 WTEs this would involve the recruitment of 45.1 additional staff, plus support staff.

Current projects

- There is approval for;
 - One proof of concept Specialist Lymphoedema
 Clinic in Primary Care
 - One proof of concept early detection service in the Mater hospital
 - Development of Clinical Guidelines

Early Detection- Mater Hospital

- Detection of subclinical lymphoedema
- Early intervention and monitoring during oncology treatment
- Education of risk and risk reduction
- Services to start in December 2019

Outcome to reduce the incidence of lymphoedema in oncology patients

Primary Care project- Laois/Offaly

- A Specialist Lymphoedema Clinic requiring 2 full time lymphoedema therapists and 0.5 multitask attendant to treat all lymphoedema patients in that LHO area.
- Clinic to open in 2020

Outcomes; Improved quality of life, reduced cellulitis/acute admissions/antibiotics/GP visits

Clinical guidelines

- In conjunction with the HSE NMPDU, HSCP and LNNI a clinical guideline development team is being established.
- The guidelines will inform the education plan for all aspects of lymphoedema management.
- There are UK clinical guidelines for Lipoedema 2018

Next steps

 There is a 3 year plan for the overall implementation of the Model of Care for which a funding request will be submitted in the 2020 Estimates process

Information

- Model of Care for lymphoedema and lipoedema
 - www.hse.ie/publications
- Lipoedema Guidelines
 - www.wounds-uk.com





Connecting via Yammer



How can I use Yammer?

1. Collaboration

Join and create groups

2. Information sharing

Ask & answer questions

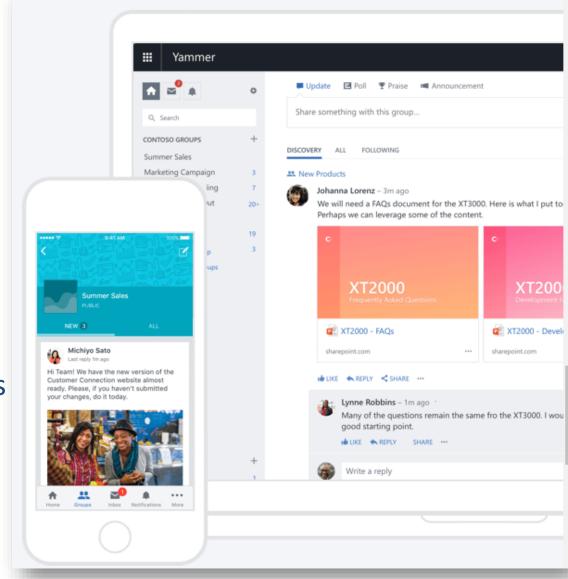
3. Keep up to date

Post and read updates

4. Share and search

Add docs, photos and files

- 5. Showcase great work
- & achievements



Collaborate in a community to share ideas, and solve problems in half the time.



Lymphoedema Network

- To Join Yammer go to the Yammer web page and search HSE.
- Enter you HSE email address and you will be asked to verify
- New group Lymphoedema Network









Obesity related chronic lymphoedema like swelling – overview & research



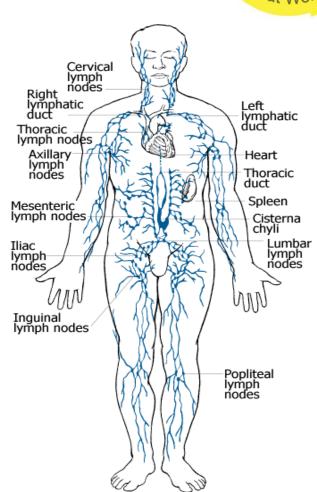


13th November 2019 Emer O' Malley Senior Physiotherapist Weight Management Service St. Columcille's Hospital Loughlinstown, Co. Dublin

Outline



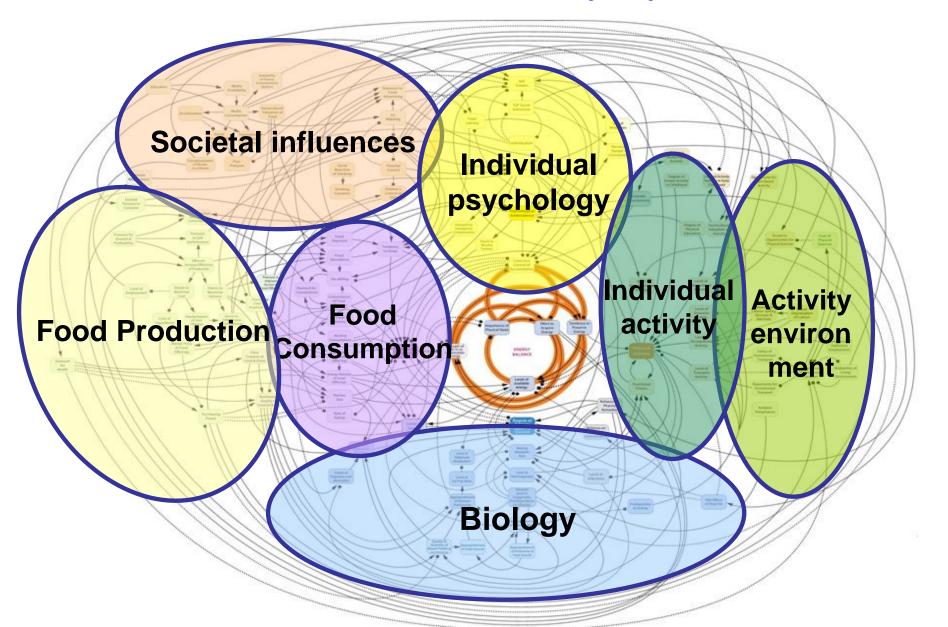
- Obesity Background
- Lymphoedema and obesity
- Cause, Prevalence & Impact
- WMS Our journey
- Assessment
- Referral options
- ORCLLS treatment & pathway
- Case studies: Trial and error
- Research & our learning
- Weight Management Strategies
- The 5As approach
- Conclusion & References



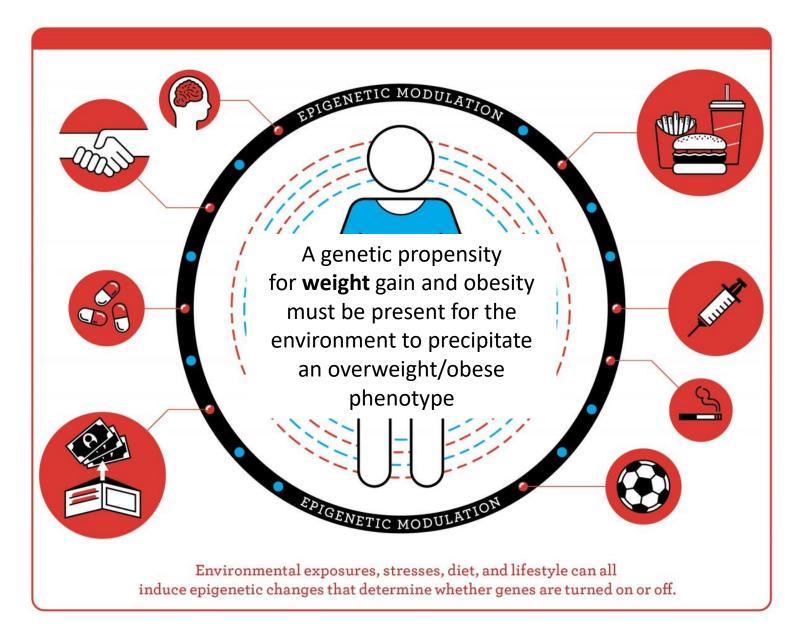
Background

- "6 out of 10 Irish adults are OW or obese" (NANS, 2011)
- BMI>40 kg/m² = 1.9% of Irish adults (Flynn, 2011)
- Highest average BMI in Europe OW (Lancet 2016)
- €1.1 billion in healthcare cost (Perry, 2012)
- 85% ↑ in mortality, 8x ↑ risk of poor physical function, reduced QOL (Adams 2006, Alley 2007, Carlin 2006)

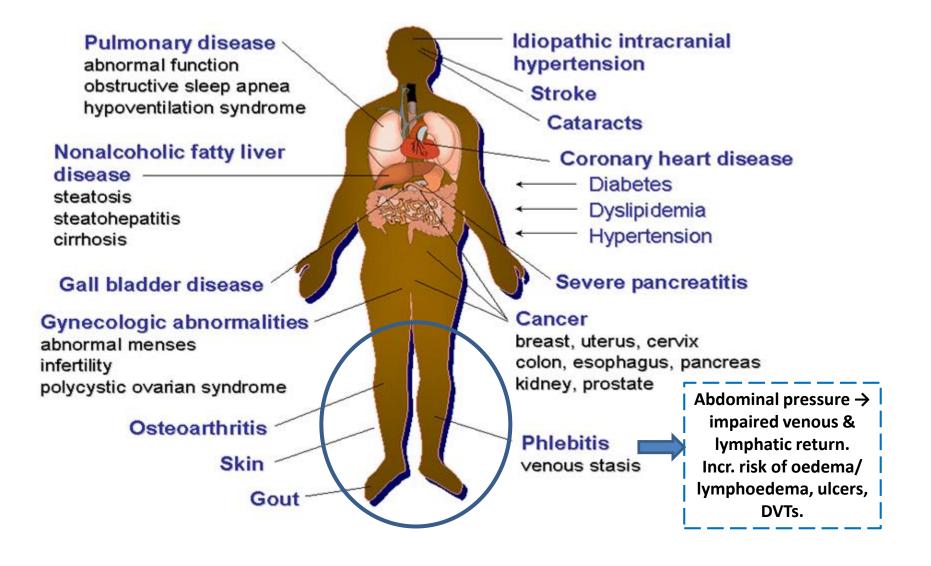
Drivers of the obesity epidemic



Epigenetics & Environment



Obesity related complications



Lymphoedema and obesity: Is there a link?

- Risk factor: Obesity & post-op weight gain
- Severe obesity can lead to impaired lymphatic function without Sx or injury
- BMI threshold for LL lymphatic dysfunction
- Many have normal lymphoscintigraphy
- Cause: Multifactorial, ? Overwhelmed lymphatic system, external compression of lymphatics by adipose tissues or direct injury to the lymphatic endothelium.

Lymphoedema Prevalence

- 5 million Americans UL/LLs, 200million worldwide (Mehrara and Greene, 2014)
- ~15,000 people in Ireland
- Challenge of diagnosis
- Incidence: 74% in severe obesity (Fife & Carter et al, 2008)
 "Epidemic in plain sight"
- 1 in 3 weight management patients suffer with swollen legs (O' Malley et al, 2015)



Impact of swelling & skin changes

- Reduced mobility & pain
- Increased risk of cellulitis
- Irregular skin folds
- Lymphorrhoea
- Hyperkeratosis/Papillomatosis



- Isolation & reduced QoL
- Physical activity & increase challenge of weight management



(Obesity Canada image bank)

Our journey...

- Identifying a problem
- Review of referral options
- Rx: A lot of trial and error!
- Research attempts
- Patient access, challenges and consultation





Q J Med 2015; 108:183–187 doi:10.1093/qjmed/hcu155 Advance Access Publication 1 August 2014

Obesity-related chronic lymphoedema-like swelling and physical function

E. O'MALLEY¹, T. AHERN^{1,2,3}, C. DUNLEVY¹, C. LEHANE², B. KIRBY³ and D. O'SHEA^{1,2}

From the ¹ Weight Management Service, St Columcille's Hospital, Loughlinstown, County Dublin,

² Obesity Research Group and ³ Dermatology Research Group, St Vincent's University Hospital,

Elm Park, Dublin 4, Ireland



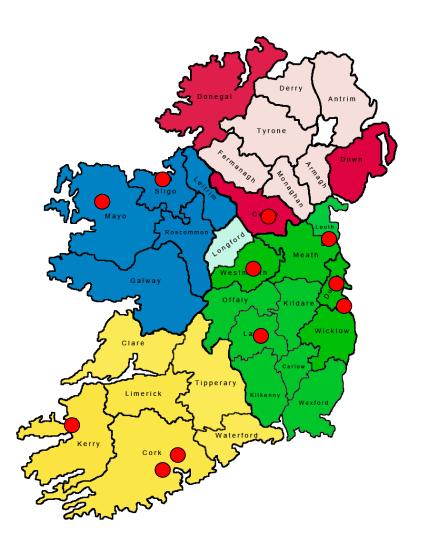


Physiotherapy Assessment

PHYSIOTHERAPY WEIGHT MANAGEMENT PROGRAMME Initial assessment date: / / 2017	Patient ID Sticker		APY WEIGHT MANA	GEMENT PROGRAM	ME	Patient ID Sticker	
Referral Hx: surgical Preference: Surgical Pref	orence	Musculoskel	Low back pain:	Knee Pain:	Other:		
Weight History:	refice	Hx &					
	ped Reason Stopped Total	MinsWeek Duration:					
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Cigs:				_			
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Student Study – Services (2011)

- HSE hospitals (93% response rate)
- PCCC (35% response rate)
- Lymphoedema service
 ± Patients with obesity
- SJH: Vascular Clinic:
 Mary-Paula Colgan & Jean
 Marc Monseux (Senior
 Physiotherapist)



Treatment options

- Monitored exercise programmes can decrease the severity of lymphoedema (Kwan et al, 2011)
- Weight management programmes including dietetic support & bariatric surgery may decrease the rates or severity of lymphoedema

(Mehrara and Greene, 2014)

 Best practice for the management of Lymphoedema (2004): Ax, Skin care, MLD, Multilayer bandaging, Exercise & Elevation, Garments

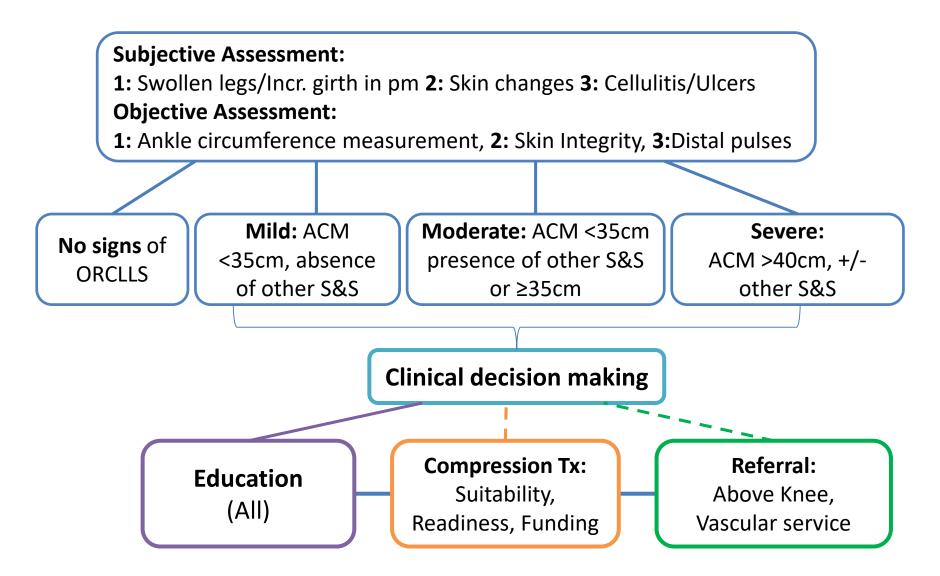
Slow beginnings & challenges

- Identifying the problem
- Discussing the problem
- Practical application
- Training & resources
- Products
 - Length
 - Cost (Bandages only)
- Physical challenges
 - LL weight
 - Patient access (all Ireland)
- Compression garments





ORCLLS pathway

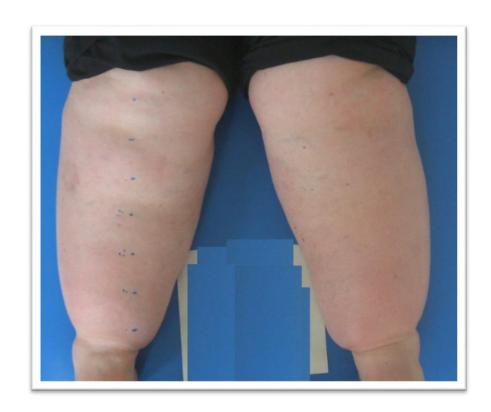


Education & resources





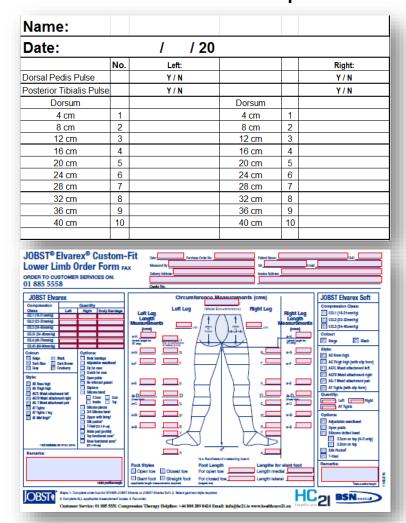
Common presentation & Case Studies:



Increased LL volume
Primarily below knee
Reverse shouldering
Colour changes
Hx of cellulitis
Mobility difficulty/Decr. PALs

Education
Bandaging
+/- 1-2days/wk
Dry weight
Measure

Measurement & Compression



Compression therapy & MDT approach

- 36 yr old male
- Increased LL volume
- T2 Diabetes
- Incr. isolation/decr. PALs
- Conservative programme
 & ORCLLS mgt
- On BSx list x 4yrs
- DM & ORCLLS resolution



Holistic approach:

Conservative programme & bariatric Sx

- 46 yr old female
- Psoriasis, dog bite & cellulitis
- Lots of trial & error
- Behaviour change support
- Incr. PALs & had BSx
- No longer requiring garments



Challenges & adaptations

- 52yo ♀, LL swelling & cellulitis hx
- <1000steps/day, SOBOE/pain mobilising
- Access difficulties & weight bias
- Multiple garment failures: OTS/MTM
- Course of bandaging/compression to knee
- Now 4000steps/day, travelling, teaching & presenting at obesity conferences
- Self-managing, occ. re-measurement, purchases own stockings





Wound management

- Referred from diabetes service
- Importance of MDT approach
- Ongoing vascular and nursing support & coordination
- Behaviour change support



Complex case

- 56 yo male, in-patient stay
- Renal failure, sepsis & rhabdomyolysis
- Compression therapy & garments provided
- Declined BSx
- Attended NRH for rehab progression
- Struggled with maintaining lifestyle changes & progressive deterioration





ORCLSS - Post bariatric surgery

- 44yr old male
- Initial appt: 243Kg, BMI: 86Kg/m²
- MDT programme & Roux-en-Y
- **7yrs later:** 130Kg, BMI: 46Kg/m²
- Wound mgt, compression









Compression garments options



Ongoing modifications



Off the shelf: Ready to wear, flat knit, class 3. Uniphar, JOBST, Mediven, Seronova, Cost: €60 - 74

Made to measure:

Measured to fit, flat knit, T-heel & silicone band Compression class 3

Cost: Pair €240 (June '19), Healthcare21 (HC21)

FarrowWrap:

Measured to fit, Velcro straps

Cost: Pair €250 (June '19), HC21

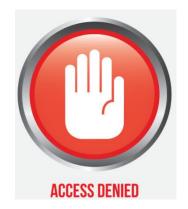
Available in beige, black, dark blue, grey, dark brown

What we have learned

- Additional access & treatment bias
- Importance of readiness & MDT support
- Holistic approach collaborative Ax & Rx planning
- Practical application:
 - Feet often unaffected
 - Utilisation of gastrocnemius as a shelf
 - Can be applied weekly
 - Mobility improves very quickly/easier to apply

Compression garments

- A to D measurements
- Utilise T-heel & inner silicone band
- Reduce by 1-2cms
- Modify & adapt for 2nd pair
- Guidance with application





Research

Q J Med 2015; **108**:183–187 doi:10.1093/qjmed/hcu155 Advance Access Publication 1 August 2014

Obesity-related chronic lymphoedema-like swelling and physical function

E. O'MALLEY¹, T. AHERN^{1,2,3}, C. DUNLEVY¹, C. LEHANE², B. KIRBY³ and D. O'SHEA^{1,2}

From the ¹Weight Management Service, St Columcille's Hospital, Loughlinstown, County Dublin, ²Obesity Research Group and ³Dermatology Research Group, St Vincent's University Hospital, Elm Park, Dublin 4, Ireland

Aim: To determine the relationship between the presence of lymphoedema-like swelling and physical function in the severely obese.

Methodology & Results

Methodology:

Severe obesity, presence of ORCLLS, ACM, 50 step test, 500m walk

Results:

```
n=330, 33% \circlearrowleft, Age: 43.4yrs & BMI of 51.7kg/m<sup>2</sup>. ORCLLS (n = 108) ~1/3
```

- Hx of cellulitis & VTE was more common (RR 6.16 & 3.86)
- Higher ACM (35 vs. 32.4cm)
- Slower step speed (0.40 vs. 0.43steps/s)
- Slower walking speed (0.97 vs. 1.08 m/s) P < 0.05

Participant characteristics

Table 1 Participant characteristics

Parameter	N	ORCLLS present (n = 102)	ORCLLS absent $(n=222)$	All participants (n = 324)	P-value ^a	<i>P</i> -value ^b	P-value ^c
Age (years)	324	46.4 ± 11.3	41.7 ± 12.8	43.2 ± 12.5	0.002		
BMI (kg/m ²)	324	54.1 ± 9.5	50.4 ± 7.6	51.6 ± 8.4	< 0.001		
Male	324	36 (35.3)	69 (31.1)	105 (32.4)	0.452		
Diabetes	314	24 (24.5)	38 (17.6)	62 (19.7)	0.155	0.433	
Chronic illness	324	80 (78.4)	163 (73.4)	243 (75.0)	0.334	0.728	
Prior VTE	324	13 (12.7)	8 (3.6)	21 (6.5)	0.002	0.031	0.034
Prior cellulitis	319	36 (35.3)	13 (6.0)	49 (15.4)	< 0.001	< 0.001	< 0.001
LL symptoms	324	93 (91.2)	113 (50.9)	206 (63.6)	< 0.001	< 0.001	< 0.001
SC (cm)	323	35.6 ± 7.1	32.1 ± 4.8	$33.2 \pm .9$	< 0.001	< 0.001	0.009
SC ≥ 35 cm	323	46 (45.5)	57 (25.7)	103 (31.9)	< 0.001	0.009	0.009
Step speed (step/s)	310	0.38 ± 0.12	0.44 ± 0.10	0.42 ± 0.11	< 0.001	0.008	0.023
Fifty steps completed	313	49 (50.0)	154 (71.6)	203 (64.9)	< 0.001	0.072	0.074
Completer step speed (steps/s)	203	0.44 ± 0.09	0.47 ± 0.09	0.46 ± 0.09	0.019	0.151	0.243
Walking speed (m/s)	311	0.89 ± 0.38	1.13 ± 0.30	1.05 ± 0.34	< 0.001	0.002	0.003
Able to walk 500 m	316	67 (67.7)	187 (86.2)	254 (80.4)	< 0.001	0.157	0.175
Completer walking speed (m/s)	254	1.09 ± 0.23	1.20 ± 0.22	1.17 ± 0.22	0.001	0.013	0.035
Activity level (min/week)	222	65.9 ± 108.6	120.3 ± 163.8	104.4 ± 151.6	0.015	0.053	0.027

VTE: Venous Thromboembolism, SC: Supramalleolar circumference

Weight Mgt & ORCLLS: Past to the present

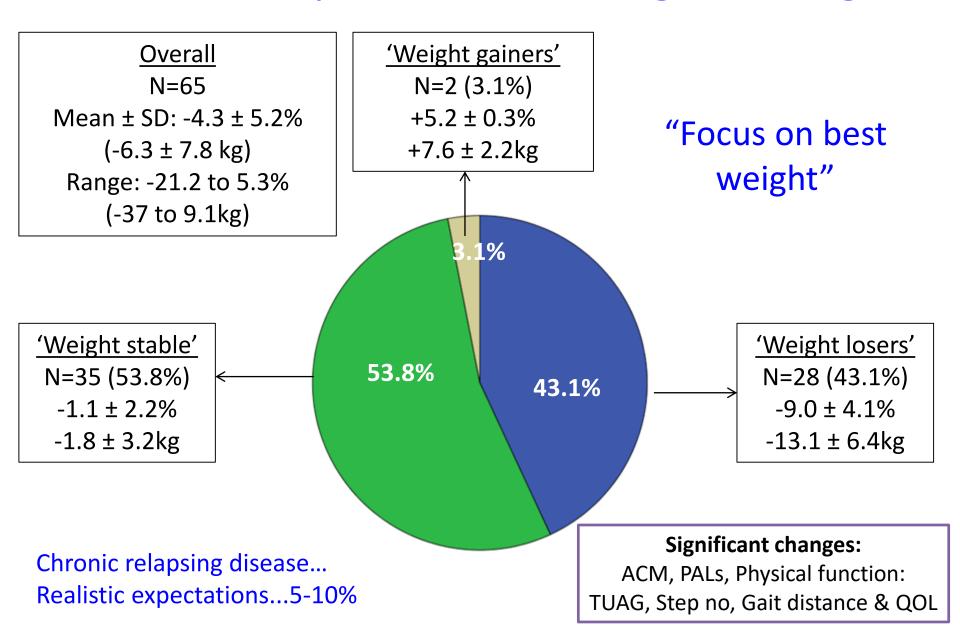
"Nurses are committed to developing patient-focussed treatment plans to address chronic oedema, but lack of compliance with exercise and weight reduction is causing frustration and disillusionment" (Todd, 2009)

"Management of the lymphedema requires that the obesity be addressed in a frank and supportive way. Many exhibit a strong element of denial regarding the disease of obesity. Treatment must be linked to the treatment of obesity for long-term success".

"When the clinician and patient develop a collaborative approach to care, lymphedema in morbidly obese patients can be managed with good results".

(Fife & Carter, 2008)

Realistic expectations: Weight change



Key considerations in obesity



Obesity is a chronic condition

Think sustainable strategies

Management is about improving health & well-being – not just the number on the scales

Modest ↓ in weight = significant ↑ health

Intervention means addressing root causes & removing roadblocks

Explore & support

Success is different for every individual

Weight / physical or mental health gains

A patient's 'best weight' may never be 'an ideal weight'

Think realistic goals

Building a rapport starts before we even say hello!

- Waiting area / consultation room seating
 - Weight capacity
 - Arms
 - Equipment
- Opportunity to display positive, non-stigmatising health messages
- Pace walk to consultation room (gait speed)



The 5 A's approach



ASK for permission to discuss weight. Weight is a sensitive issue. Many people are embarrassed or fear blame and stigma



Advise on obesity risks and discuss benefits and options



ASSESS obesity-related risk and potential 'root causes' of weight gain



Agree on realistic weightloss expectations and on a SMART plan to achieve behavioural goals





Assist in addressing drivers and barriers, offer education and resources, refer to provider, and arrange follow-up

Jay M, et al. BMC Health Serv Res. 2010;10:159
 Vallis M, et al. BMC Health Serv Res 2013;59:27-31
 Ogunleye A, et al. BMC Res Notes. 2015;8:810
 Asselin J, et al. CMAJ Open. 2017;5:E322-9

Our journey...what we have learned

- Identifying a problem:
 - Readiness & Support
 - Categorisation
 - Appropriate treatment planning
- A lot of trial and error!
- Positive outcomes & new developments
- Patient access, challenges and need for adequate funding!





Obesity: Living Well with a Chronic Disease

St Columcille's Hospital Weight Management Service
Annual Study Day

Friday 29th November, 08:30 – 16:00 St Columcille's Hospital, Loughlinstown, Dublin, D18 E365







References

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- National adult nutritional survey, 2011. Irish Universities Nutritional Alliances.
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Improving Prevention and Management of Simple Oedema in Primary Care

Pippa McCabe – Lymphoedema Clinical Lead, SEHSCT Vivienne Murdoch – Chronic Oedema Liaison Nurse, SEHSCT Susan Patterson – Pharmacy Advisor, Health and Social Care Board

Project Drivers

Methodology

Results

Service User and GP Feedback

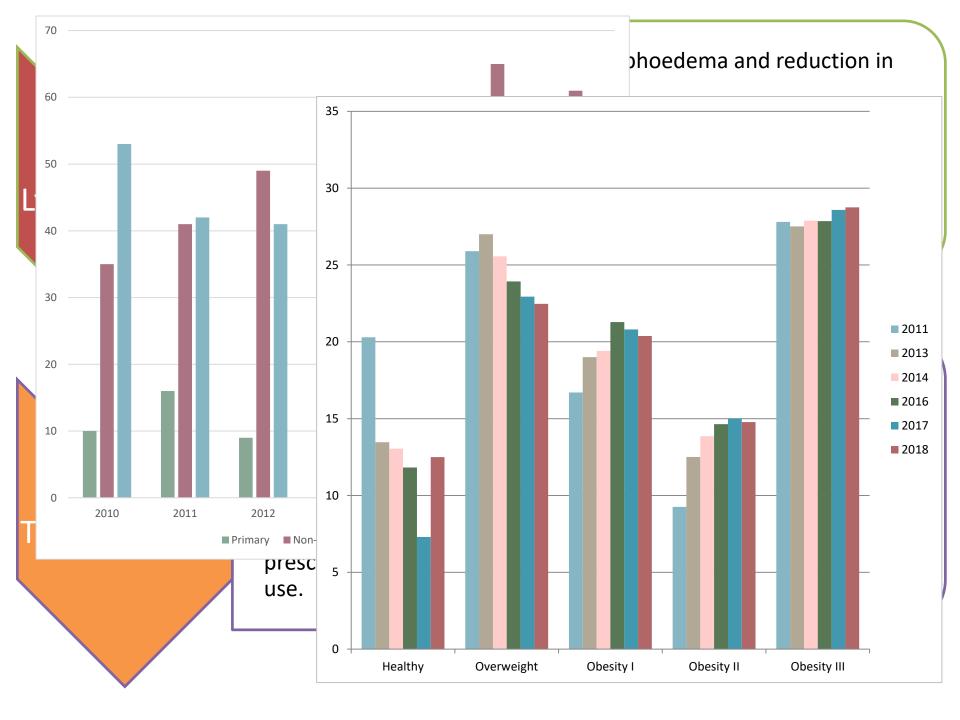
Future Considerations

Regional

- 1 in 200 patients over 65 present to the GP with oedema per year
- Prevalence increases with age
- Northern Ireland has highest number of over 85s in UK
- Cost to treat venous leg ulcer £ 5700 per year per patient
- Cost of oedema management approximately £100 per year per patient
- Over 50% of community nursing time is spent treating chronic oedema and leg ulcers (Lymphoedema Network Wales)

Trustwide

- 17/18 leg/foot cellulitis admissions = 580 patients with 4992 bed days at an estimated cost of £2million
- Short snapshot audit of district nursing caseload showed 35% with chronic oedema, 60% of these untreated.
- Diverse and uncoordinated approach to care remit for patients with oedema





GP Practice

Local enhanced service funding offered to all surgeries in the Trust area

Ex

int

re

How to apply your hosiery

- Turn the garment inside out to the heel
- Pull the stocking all the way onto your foot
- Gradually ease the rest of the stocking over your foot and up your leg a little at a time



- Use household rubber or gardening gloves to help with positioning and to smooth out creases
- Avoid wearing jewellery or digging nails into the knitted fabric
- Avoid over stretching the fabric or folding over the top of the garment
- Sprinkling talc on the limb may help with applying your garment
- A new garment may rub or irritate at the skin and joint creases. Applying petroleum jelly over the area can help ease discomfort. If this does not settle speak to your nurse
- If you have difficulty applying your garment speak to your therapist who will be able to discuss various aids and techniques to help you.

REMEMBER

- · Wear your hosiery EVERY day
- Wash, dry and moisturise your legs
 EVERY day
 - ELEVATE your legs when you can
- EXERCISE as normally as possible
- EAT WELL and keep your weight within normal limits
- Replace your hosiery every 6 MONTHS, or sooner if worn
- DISCARD the old hosiery
- Attend your treatment room YEARLY to check your circulation.

Produced by Communications Department



Compression Hosiery

Patient Information Leaflet



Contact Details

Name:

Number:

Patient Jema

Investigate and treat systemic cause. Consider

Consider onward referral as appropriate

- Patient at low risk (see Red Box below)
- Dependency dedema
- Healthy pregnant woman

Consider measuring and fitting Class 1 hosiery

Provide patient information

Advise patient re hosiery safety and good leg care i.e. foot elevation and exercise

Review patient in 2 weeksrefer for assessment at Oedema clinic

No

Is swelling resolving?

Consider patient concordance/ ability to apply hosiery

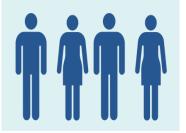
tefer to treatment room for advice

Results from the past 15 months

PATIENTS SEEN

255+

patients
have
attended
healthy leg
clinics



PRESCRIBING



51

prescribing changes made to optimise compression hosiery

EDUCATION



36 GP's

15
Practice Nurses

11
Pharmacists

DEPRESCRIBING

31%

of patients deprescribed diuretics



GP PRACTICES



29

Practices agreed to take part



Patient Reported Outcome Measures



69%

indicated a reduction in pain and limb tightness

70%

very
pleased
with the
service



1

94%

identified
provision of
information
on how to help
their condition
was the best
aspect of the
service

100%

patients found the negative impact of their swelling was reduced with intervention



Service user and GP feedback

https://www.youtube.com/watc
h?v=t1eKdcdvDcQ





Find out more



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BJN Awards 2019:chronic oedema nurse of the year runner up. Murdoch, V. British Journal of Nursing 2019, Vol 28, No 20; TISSUE VIABILITY SUPPLEMENT

Questions?





Gillian McConaghie Catherine McClelland



Quality Care - for you, with you

Healthy legs-Background

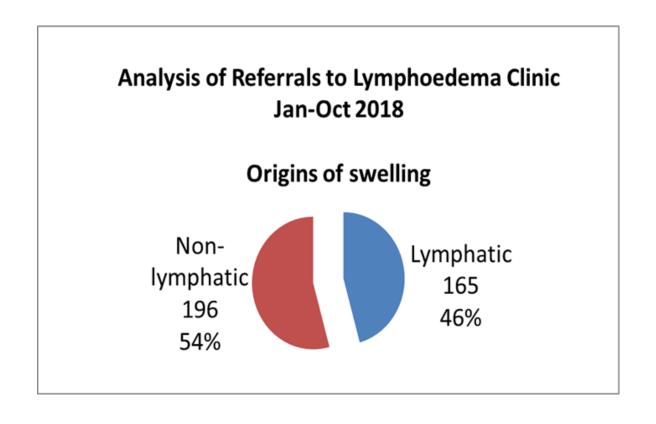
Increased number of referrals to the clinic for chronic oedema patients

Developed as a service improvement project to manage these patients

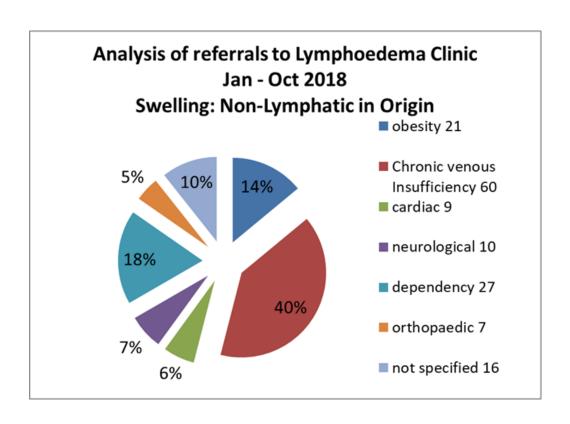
Focus is on education and exercise

Promotes self management

Lymphoedema Referrals



Non-lymphatic breakdown



Healthy Legs Class Structure

- One to one assessment with lymphoedema specialist physiotherapist
- If suitable patients commence 4 week programme
- Patient reported outcome measures
- Objective measures
- Patient goals and expectations discussed and recorded

Healthy Legs Class Structure

Healthy Legs Class Content

Week 1	Week 2	Week 3	Week 4
Causes of swelling Signs and symptoms Complications associated with swelling	Self-management Skin care/foot care Positioning Physical activity	Principles of healthy eating Food labelling Weight control Onward referral	Role of compression garments Donning/doffing aids General care advice
EXERCISES	EXERCISES	EXERCISES	EXERCISES

Healthy Legs Class Structure

- Post class questionnaires
- Onward referral
 - Podiatry
 - Dietetics
 - Dermatology
 - Tissue viability







Costs

- Staff band: Senior clinician and support staff
- Equipment (bariatric chairs, small exercise aids)
- Venue Hire
- 1 WTE specialist physiotherapist and I WTE physio assistant can deliver 29 Groups with 1 years treatment and follow up
- Based on full capacity classes 290 patients could be managed via the Healthy Legs Class per year.

So far...

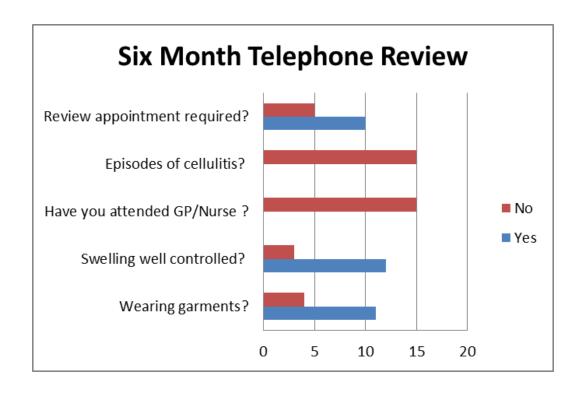
- Running since 2016
- Numbers through service

Time	Total no of referrals	No of HLC referrals	% HLC of total
Oct 17-Mar 18	187	25	13.3
Apr 18-Sept 18	237	48	18.6
Oct18-Mar 19	225	36	16
Apr 19- Sept 19	257	60	23.3

- Complex patient group
- Improved patient concordance
- Attendance rates (Wolff et at., 2019)
- Time savings

Outcomes

Telephone review



Patient Stories

Patient A (initial assessment)

- 39 year old female
- Family history of CVI
- Sedentary job
- BMI 41.2
- Weight increasing
- Not active at all
- Bilateral leg oedema

Patient A (on telephone review)

Not wearing garments...

- Exercising three times weekly
- Healthy eating
- 2 stone weight loss
- BMI 34
- Leg oedema resolved

Patient Stories

Patient B (initial assessment)

- 72 year old male
- CVI
- BMI 37
- Inactive lifestyle

Patient B (six month review)

- Completed exercise scheme
- Joined and attending gym
- Wearing garments
- 1 stone weight loss
- BMI 34.5

"The class was very comprehensive. Thoroughly enjoyed the class – Staff made it fun while giving us the tools to look after ourselves and what to look for if further help is needed"

Patient Stories

Patient C

- 48 year old man
- Obesity related leg oedema
- BMI 68 on assessment
- Social isolation
- Long history of recurrent cellulitis and ulceration
- Poorly compliant
- Frequent non attender

Patient C

- Enjoyed social interaction
- No further cellulitis or ulceration
- BMI 64 after 6 months
- More active
- Compliant with skincare and compression therapy
- Empowered to self manage

[&]quot;the class was the best thing I ever went to..."

Patient feedback

"I learned why my legs are swelling, importance of exercise ... I found the group exercises helpful" " I now understand the problem with my legs and how to look after them. Enjoyed the class very much and was glad to have been referred to it."

What have you learned from your time at 'Healthy Legs'?

"I have learned to keep exercising and wear my garments and to look out for any signs of infection. I found the classes very informative and enjoyed the exercises I did and will continue to do them"

"Really enjoyed the class especially the exercises & hearing about other people's legs problems & how they manage theirs".

Evidence for Healthy Legs Class

Does the evidence support a different treatment pathway? Group based patient education for patients with chronic conditions

A literature scoping review identified that participants experienced the programs as beneficial according to less symptom distress and greater awareness of their own health, improved self-management strategies, peer support, learning and hope (Stenberg et at., 2016). Barlett (1995) showed for every dollar spent on patient education, four is saved.

Exercise in the management of venous leg ulcers

Kirsner 2018 produced a meta analysis of 5 small studies, and it suggested exercise offers an additional healing benefit in patients with leg ulcers (61% healed at 12 weeks in comparison to 41%)

Exercise in the management of arterial insufficiency

Cochrane systematic review by Lane et al., 2017 concluded there was high-quality evidence showing that exercise programmes provided important benefit compared with placebo or usual care in improving both pain-free and maximum walking distance in people with leg pain from intermittent claudication who were considered to be fit for exercise intervention.

Telephone reviews

Literature scoping review examined telephone consultations for people with chronic conditions. 47 articles were reviews and found this model can improve health behaviour, self-efficacy and health status. The review found that telephone-based coaching can enhance the management of chronic disease, especially for vulnerable groups. (Dennis et al., 2013)

Cost

For every £1.00 spent on lymphoedema treatments that limit swelling and prevent damage and infection, the NHS saves an estimated £100 in reduced hospital admissions (NCAT, 2013).

Review of recent referrals

- 57 referrals
- 25 referrals noted BMI

ВМІ	Number of Patients
20-24,99	1
25-29.99	6
30-39.99	6
40-49.99	6
50-59.99	4
60+	2

Diagnosis from referral	Number of patients
Lipoedema	2
Cancer related lower limb	6
Cancer related upper limb	12
Chronic oedema	21
Chronic venous insufficiency	11
Dependency	1
Neurological	1
?primary	1
Upper limb MSK	1
total	57

Thoughts?

- Lymphoedema/chronic oedema/obesity related oedema
- How do we develop our service to meet the changing needs of our patients?
- Are we sufficiently addressing the causative and contributing factors?
- Wider benefits to our patients health promotion, peer group support ?

Thoughts?

- Based on our findings and the evidence could this model be transferred to all our patient groups within lymphoedema?
- Way forward...?

TRYING DIFFERENT WAYS
OF DOING THINGS IS
WHAT BRINGS INVENTION

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