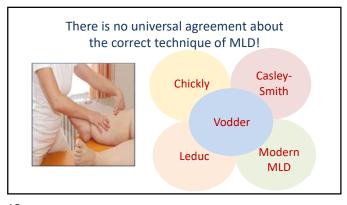




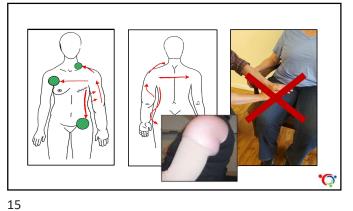


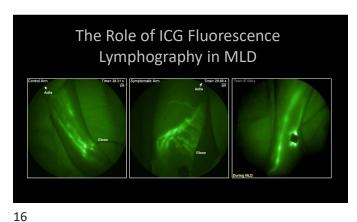
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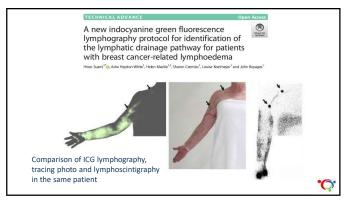


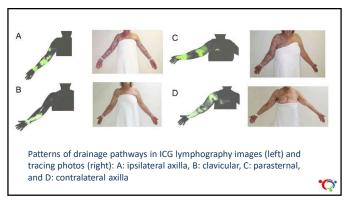
The quality of MLD varies a great deal from one practitioner to the next: · Training received • Therapist passion/enthusiasm • Time constraints • Reimbursement issues • Productivity pressure • Scheduling issues .Ċ.

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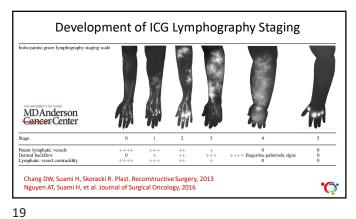


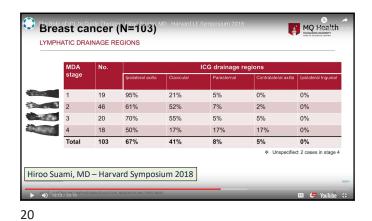


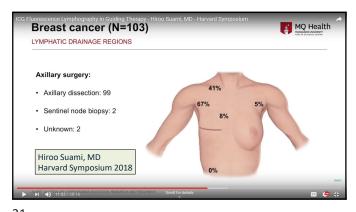


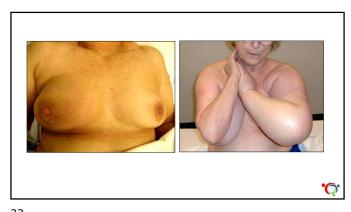


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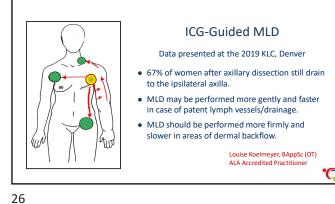














MLD alone is NOT the treatment for lymphedema!

Patient has been treated with MLD for 10 years

After 3 weeks of CDT (4x/week)

28

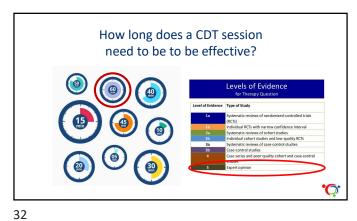
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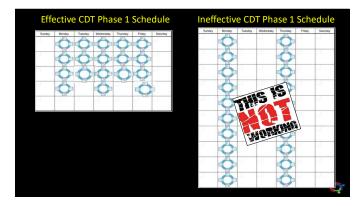




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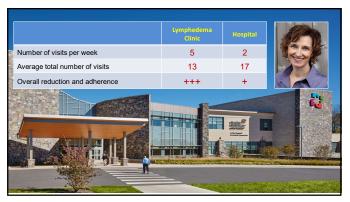








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So, what about:

- My patients don't want to come 5x/week...
- It's not practical for them...
- My Patients don't want to be bandaged...
- My patients can't afford _____.



Take Home Messages

• To provide effective Phase 1 CDT, patients need to be treated 4-5x/week for 60min each session.



 Patients need to be educated to NOT accept substandard/inadequate CDT!

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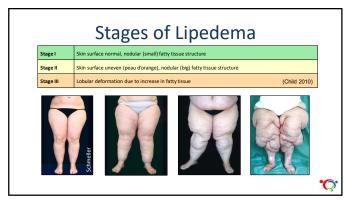
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Classic Description of Lipedema

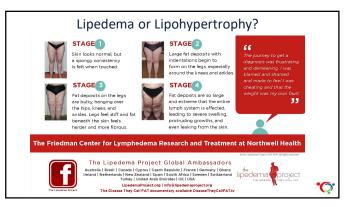
- Symmetrical adipose tissue deposition (swelling) of both lower extremities
- Affects mainly women
- Hypersensitivity of the increased subcutaneous
- Develops hematomas very easily
- Adipose tissue is resistant to diet and exercise
- Knee pain is a feature of lipedema
- Orthostatic edema
- May turn into lipo-lymphedema
- Onset during puberty, sometimes after pregnancy

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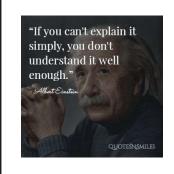


What is lipedema?

42 41







Lipedema is a very complex condition!

- 1) Physical
- 2) Psychological
- 3) Emotional
- 4) Psycho-Social
- 5) Spiritual
- 6) Cultural





45 46

Lipedema – Myths and Facts, Part 5

The term Lipedema is misleading and incorrect!

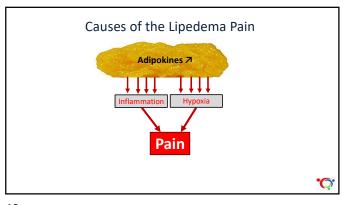
There is <u>no</u> scientific evidence that...

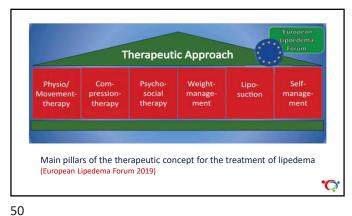
- lipedema is an "edema problem".
- MLD can reduce the patients' complaints because of its "drainage" effects.
- lipedema is a progressive disease.
- weight loss is not effective.
- lipedema causes lymphedema.
- \bullet 11% of the female population suffer from lipedema, or that the onset of lipedema is during puberty.

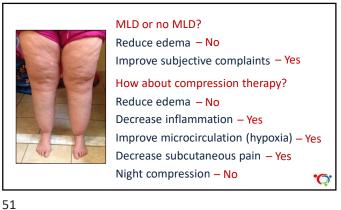


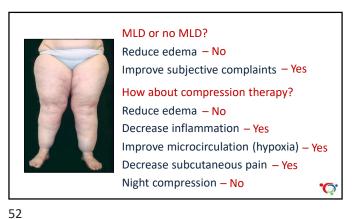
Patient with lymphedema of the distal lower leg and forefoot and lipedema restricted to the thigh and proximal lower leg and proximal lower leg.

47 48

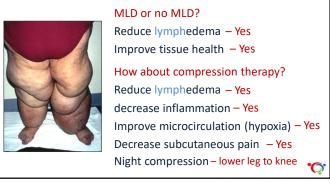


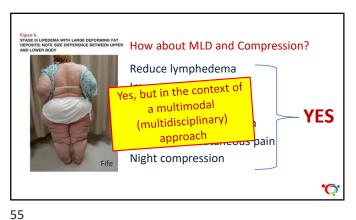


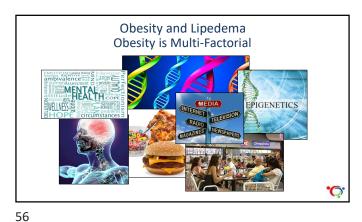












Obesity and Lipedema

- 80-88% of lipedema patients are obese.
- Being overweight or obese is an aggravating factor of lipedema.
- Majority of patients tried "diet and exercise" and experience a yo-yo effect.
- With lipedema, the advice to lose weight conventionally is particularly pernicious. 95% of all people who lose weight with the usual conventional diets regain the weight within 3 years.



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- Women (in contrast to men) regain a disproportionate amount of weight in the lower body after weight loss. In other words: every medical recommendation to a lipedema patient to lose weight increases the risk of exacerbating the lipedema.
- Obese patients with lipedema often experience a lack of fitness and mobility
- Lipedema is not usually a progressive disorder! Instead, patients with lipedema experience weight gain (obesity) which can lead to exacerbation of the lipedema.
- · Obesity/weight gain must addressed!



57

Weight loss is **™**effective Lipedema patient (269 lbs., 168 cm, Same patient 11 months after bariatric surgery. Weight now 163 lbs., BMI 26. BMI 43) before sleeve gastrectomy.



59 60



Weight Management

- Short-term diets must be avoided by all means.
- The concept of energy balance has to be taught.
- Patients must be educated about the inflammatory and antiinflammatory effects of their dietary habits and food choices.
- To achieve long-term weight stabilization, support and coaching are necessary.

Stabilize and Exercise



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Measures to Reduce Hyperinsulinemia

- Maintain sufficiently long intervals between meals (4-6 hrs. daytime and at least 12 hrs. nighttime).
- Strictly avoid constant "grazing" (especially sweets).
- Avoid foods containing refined carbohydrates or sugar.
- Eat "real" food instead of processed foods.
- Consume healthy fats and avoid industrial trans-fats.



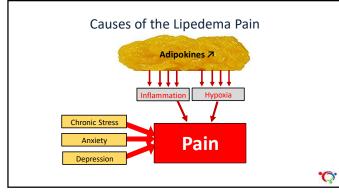
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Psychology in Lipedema

- The impact of psychological stress in patients with lipedema is underestimated!
- Psychological vulnerability contributes to the amount of pain perception.





65 66

Psychology in Lipedema

- The impact of psychological stress in patients with lipedema is underestimated!
- Psychological vulnerability contributes to the amount of pain perception.
- Eating disorders are often present and need to be treated.
- Lack of self-acceptance because of current beauty ideal.
- Psychological assessment is a must!



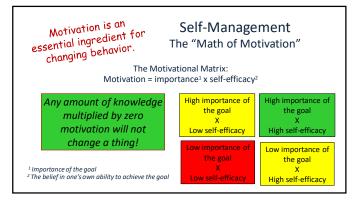
Liposuction

Not every patient with lipedema will benefit from liposuction! Liposuction may be considered if:

- Symptoms persist despite at least 12 month of comprehensive conservative treatment, as presented above
- The patient has considerable functional disability
- The patient's weight has been stable for at least 12 months
- A preoperative psychological assessment is completed



67 68



MasterClass
BEYOND LIPEDEMA

TRIBUTION SUPPORT

WINDOWN SUPPORT

WESTO Welcome

Lipedema Tribe
Community

lipedema Simplified

lipedema-simplified.org

69 70



Take Home Messages

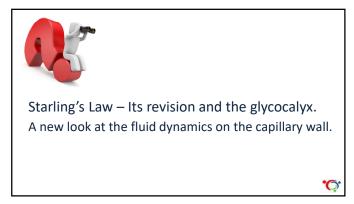


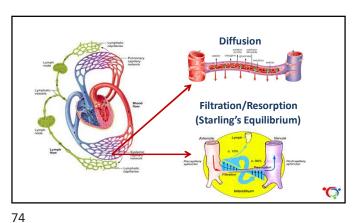
- Lipedema is a complex condition.
- Lipedema is not an edema issue.

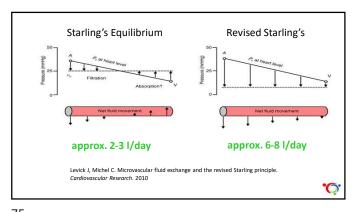
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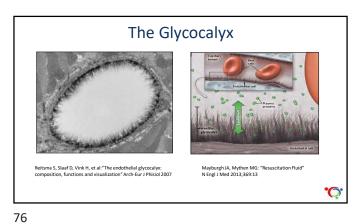
- Patients with lipedema should be treated in a multimodal approach.
- Psychological evaluation and weight management must be discussed with each patient.
- Patients must take ownership of their condition/health.

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Take Home Messages

• The glycocalyx is the gate keeper for fluid exchange/controls microcirculation.

• The glycocalyx is a highly complex structure that can be damaged by inflammation and poor nutrition.

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