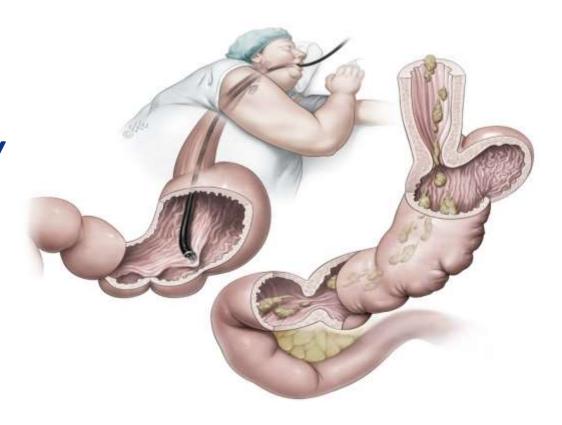
ENDOSCOPIC SLEEVE GASTROPLASTY STATE OF THE ART – UPDATE

ESG: IFSO Guidelines

Christine StierGermany



PICTURE. © DR. LEVENT EFE. COURTESY OF IFSO



In accordance with 'EACCME criteria', I REPORT THE FOLLOWING COIS

ADVISORY BOARDS & CONSULTANCIES

NovoNordisk, Danmark

Apollo EndoSurgery, TEXAS

Johnson & Johnson Europe & USA

Lohmann & Rauscher Germany

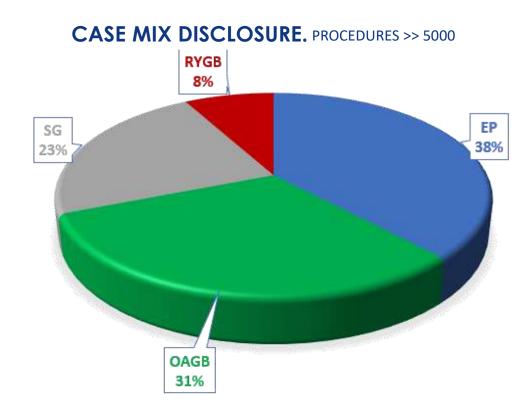
Cranax Medical France

NitiNotes Israel

PERTICIPANT IFSO's CONSENSUS CONFERENCE HAMBURG 3/23

There was no funding or mutual benefit regarding this presentation







ESG – BACKGROUND TO THE REASON FOR APPROVAL





ESG was launched in 2013

The first publication detailed

- Gastric remodelling form
- Physiology
- Nomenclature. Endoscopic Sleeve Gastroplasty => ESG

as an endoscopic suturing techniques for weight loss (EMBT).

Abu Dayyeh et al. Endoscopic sleeve gastroplasty: a potential endoscocopic alternative to surgical sleeve gastrectomy for treatment of obesity.

Gastrointest Endosc. 2013;78:530-5.





ESG gained GLOBAL CLINICAL ADOPTION

In GERMANY, a there is even private company has patented gastroplasty as the

- 'Weight Doctors Sleeve'
- at a similar price to the US
- They are very well booked







ESG is ACCEPTED

- Patients who are unwilling to undergo surgery
- Patients who are suffering from obesity and who are not candidates for surgery
- Patients with class 1 and 2 obesity





ESG is **POPULAR**

As of **December 2022** => more than **200 international peer-reviewed medical articles** had been published on the procedure





ESG provides 1b EVIDENCE

December 2022 =>

THE LANCET publication of a large US multi-centre randomized trial with

mid-term follow-up: the MERIT Trial

Endoscopic sleeve gastroplasty for treatment of class 1 and 2 obesity (MERIT): a prospective, multicentre, randomised trial

Barham K Abu Dayyeh, Fateh Bazerbachi, Eric J Vargas, Reem Z Sharaiha, Christopher C Thompson, Bradley C Thaemert, Andre F Teixeira, Christopher G Chapman, Vivek Kumbhari, Michael B Ujiki, Jeanette Ahrens, Courtney Day, the MERIT Study Group, Manoel Galvao Neto, Natan Zundel, Erik B Wilson

Summary

Background Endoscopic sleeve gastroplasty (ESG) is an endolumenal, organ-sparing therapy for obesity, with wide global adoption. We aimed to explore the efficacy and safety of ESG with lifestyle modifications compared with lifestyle modifications alone.

Abu Dayyeh et al.. Endoscopic sleeve gastroplasty for treatment of class 1 and 2 obesity (MERIT): a prospective, multicentre, randomised trial. Lancet. 2022 Aug 6;400(10350):441-451.





THE IFSO's CONSENSUS CONFERENCE ON DEFINITION AND CLINICAL PRACTICE GUIDELINES, March 2023 in Hamburg





Hamburg, March 9-10, 2023

"The Algorithm for the Multimodal Management of Obesity"

BASED ON DEFINITION AND CLINICAL PRACTICE GUIDELINES



CONSENSUS CONFERENCE

9/10 March in Hamburg

FACULTY

Bariatric Surgeons

Aayeed Al Qahtani, Saudi Arabia

Ali Aminian, USA

Luigi Angrisani, Italy Ahmad Bashir, Jordan

Estuardo Behrens, Guatemala

Jean Marc Chevallier, France

Ricardo Cohen, WOF, Brazil

Pierre Garneau, Canada

Khaled Gawdat, Egypt

Ashraf Haddad, Jordan

Jacques Himpens, Belgium

Thomas Inge, USA

Lilian Kow, Australia

Ken Loi, Australia

Juan Antonio Lopez Corvala, Mexico

Abdelrahman Nimeri, USA

François Pattou, France

Luis Poggi, Peru

Jaime Ponce, USA

Gerhard Prager, Austria

Almino Ramos, Brazil

Francesco Rubino, UK

Paulina Salminen, Finland

Andres Sanchez Pernaute, Spain

Scott Shikora, USA

Cunchuan Wang, China

Natan Zundel, USA

Physicians

Nasreen Al Faris, Saudi Arabia

Caroline Apovian, USA Rachel Batterham, UK

Dror Dicker, Israel

Claudia Fox, USA

Lee Kaplan, USA

Nabijsa Lalic, IDF, Serbia

Guilherme Macedo, WGO, Portugal

Alex Miras, UK

Tarissa Petry, Brazil

Arya Sharma, Germany Josep Vidal, Spain

Endoscopists

Barham Abu Dayyeh, USA

Mohit Bhandari, India

Christine Stier, Germany

Chris Thompson, USA

Integrated Health Professionals

Barbara Andersen, Austria

Dale Bond, USA

Silvia Leite Faria, Brazil

Shirt certe i di la, bia.

Violeta Moize, Spain

David Sarwer, USA

Delphi Expert

Kevin White, USA

4 / 43 endoscopists only

11/28 surgeons perform EBMT procedures

13.30 - 14.30 Endoscopy for the Treatment of Obesity

Chairs: Barham Abu Dayyeh, Christine Stier, Chris Thompson, Mohit Bhandari, CC Wang, Luis Poggi

Objectives of the session - Reasons why we are aiming to this

13.30 - 13.40 RCT for class I and II obesity for endoscopic sleeve gastrectomy, Barham Abu Dayyeh

13.40 - 13.50 Endoscopic treatments in adolescents, Christine Stier

13.50 – 14.00 Endoscopic treatments for metabolically challenged patients, Christopher Thompson





THE IFSO's CONSENSUS CONFERENCE – RESULTS OF THE DELPHI PROCESS REGARDING ESG





THE IFSO's CONSENSUS CONFERENCE – INDICATION RANGE WITH RESPECT TO OBESITY CLASS





Hamburg, March 9-10, 2023

RESULTS REGARDING ESG

STATEMENTS N=13	N	ROUND REQUIRED	MOST COMMON SELECTION	PERCENTAGE CONSENSUS	CONSENSUS ACHIEVED
ESG combined with lifestyle intervention is preferable to lifestyle interventions alone, for the management of adults with class I obesity.	38	1	Agree	78.9%	Yes





Hamburg, March 9-10, 2023

RESULTS REGARDING ESG

B

STATEMENTS N=13	N	ROUND REQUIRED	MOST COMMON SELECTION	PERCENTAGE CONSENSUS	CONSENSUS ACHIEVED
ESG combined with lifestyle intervention is preferable to lifestyle interventions alone, for the management of adults with class II obesity.	39	1	Agree	89.7%	Yes





Hamburg, March 9-10, 2023

RESULTS REGARDING ESG

B

STATEMENTS N=13	N	ROUND REQUIRED	MOST COMMON SELECTION	PERCENTAGE CONSENSUS	CONSENSUS ACHIEVED
ESG combined with lifestyle intervention is an acceptable management option for adults with class III obesity who either do not qualify (given medical or psychological comorbidities) or do not wish to pursue MBS.	42	1	Agree	87.5%	Yes





THE IFSO's CONSENSUS CONFERENCE - CONSENTED DURABILITY





Hamburg, March 9-10, 2023

RESULTS REGARDING ESG

B

STATEMENTS N=13	N	ROUND REQUIRED	MOST COMMON SELECTION	PERCENTAGE CONSENSUS	CONSENSUS ACHIEVED
In individuals with class I obesity and comorbidities, ESG is effective at inducing sustained weight loss that remains at 12-24 months follow-up.	38	1	Agree	76.3%	Yes





THE IFSO's CONSENSUS CONFERENCE – COMPARED TO NON-INVASIVE THERAPIES





Hamburg, March 9-10, 2023

RESULTS REGARDING ESG

B

STATEMENTS N=13	N	ROUND REQUIRED	MOST COMMON SELECTION	PERCENTAGE CONSENSUS	CONSENSUS ACHIEVED
In individuals with class I obesity and comorbidities, ESG is superior to LIFESTYLE CHANGES/AOM/NEITHER/BOTH.	39	1	Lifestyle changes	74.4%	Yes





THE IFSO's CONSENSUS CONFERENCE – INDICATION FOR APPLICATION IN ADOLESCENTS





Hamburg, March 9-10, 2023

RESULTS REGARDING ESG

B

STATEMENTS N=13	N	ROUND REQUIRED	MOST COMMON SELECTION	PERCENTAGE CONSENSUS	CONSENSUS ACHIEVED
ESG combined with lifestyle intervention is preferable to lifestyle interventions alone, for the management of adolescents with class II obesity.	40	1	Agree	72.5%	Yes





THE IFSO's CONSENSUS CONFERENCE – RECOMMENDATION WHEN A PATIENT DOESN'T WANT AN INTERVENTION (CLASS 1- OBESITY)





Hamburg, March 9-10, 2023

RESULTS REGARDING ESG

STATEMENTS N=13	N	ROUND REQUIRED	MOST COMMON SELECTION	PERCENTAGE CONSENSUS	CONSENSUS ACHIEVED
In individuals with class I obesity and comorbidities, ESG is not suitable if an individual does not want surgical treatment.	39	1	Disagree	71.8%	Yeş





THE IFSO'S CONSENSUS CONFERENCE – NO CONSENS ON THE USE OF ESG IN ADOLESCENTS WITH CLASS 1 OBESITY





Hamburg, March 9-10, 2023

RESULTS REGARDING ESG

STATEMENTS N=13	N	ROUND REQUIRED	MOST COMMON SELECTION	PERCENTAGE CONSENSUS	CONSENSUS ACHIEVED
ESG combined with lifestyle intervention is preferable to lifestyle interventions alone, for the management of adolescents with class I obesity.	41	2	Agree	56.1%	No





Hamburg, March 9-10, 2023

IFSO's CONSESUS BOOK

"The Algorithm for the Multimodal Management of Obesity"

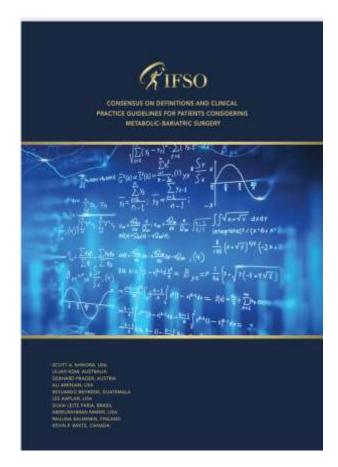


"THE ALGORITHM FOR THE MULTIMODAL TREATMENT OF OBESITY" based on **DEFINITION AND CLINICAL PRACTICE GUIDELINES**

ARE SUMMERIZED IN THE IFSO CONSENSUS BOOK







Kow L, O'Kane M, White KP, Macedo G, Shahaira R, Toouli J, et al. Methodology and results of a joint IFSO-WGO Delphi Survey of 94 intercontinental, interdisciplinary experts in obesity management. [publication pending]. 2023.



"The Algorithm for the Multimodal Management of Obesity"

Kow L, O'Kane M, White KP, Macedo G, Shahaira R, Toouli J, et al. Methodology and results of a joint IFSO-WGO Delphi Survey of 94 intercontinental, interdisciplinary experts in obesity management. [publication pending]. 2023.

CONCLUSIONS AND TAKE HOME

IFSO EXPERTS CONSENTED ON THE INDICATION FOR ESG.

- OVER LIFESTYLE INTERVENTION IN PATIENTS WITH OBESITY CLASS 1 AND 2
- IN PATIENTS WITH CLASS 3 OBESITY THAT ARE NOT ELIGABLE FOR SURGERY
- OVER LIFESTYLE INTERVENTION IN ADOLESCENT PATIENTS WITH OBESITY CLASS 2 (MILESTONE PROJECT)



ENDOSCOPIC SLEEVE GASTROPLASTY – STATE OF THE ART - IFSO GUIDELINES

Kow L, O'Kane M, White KP, Macedo G, Shahaira R, Toouli J, et al. Methodology and results of a joint IFSO-WGO Delphi Survey of 94 intercontinental, interdisciplinary experts in obesity management. [publication pending]. 2023.



"The Algorithm for the Multimodal Management of Obesity"

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CONCLUSIONS AND TAKE HOME

THERE IS STILL EVDENCE TO BE CREATED REGARDING

- DURABILITY OF THE PROCEDURE
- THE INDICATION OVER LIFE STYLE IN ADOLESCENT WITH CLASS 1 OBESITY (MILESTONE PROJECT)

CORRESPONDING CONSENSUS.

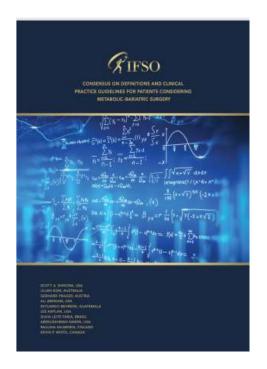
THE JOINT-IFSO-WGO DELPHI STATEMENT IN OBESITY MANAGEMENT (2022)





Hamburg, March 9-10, 2023

"The Algorithm for the Multimodal Management of Obesity"

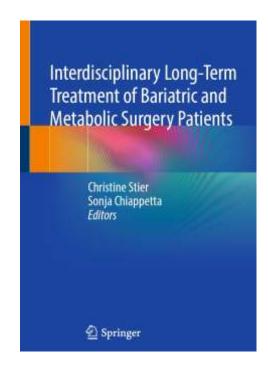


WE WORKED A LOT

WE CONSIDERED A LOT

WE DISCUSSED A LOT

WE ACHIEVED A LOT



WITH SPECIAL THANKS TO DR. MANUELA MAZZARELLA AND DR. KEVIN WHITE

THANK YOU FOR YOUR KIND INTEREST

