

SWISS HERNIA DAYS

20
20

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Hiatal hernia

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Phasix® ST Mesh combines two market-leading technologies into one product: monofilament bioresorbable Phasix® Mesh and a proven hydrogel barrier based on Sepra® technology. Phasix® ST Mesh supports functional healing, resulting in a strong remodeled repair.^{1,2,3}

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- Low-profile design facilitates trocar deployment during laparoscopic placement
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Preliminary clinical data suggests^{3,4}

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Prospective evaluation of Phasix® ST Mesh in hiatal hernia repair
Steven DeMeester, MD
Interim review of 50 patients with 8.5 month follow-up
*One year follow-up to come



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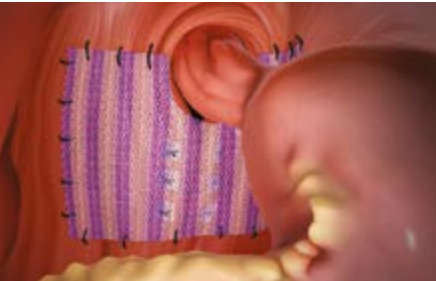


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NEW:

Phasix® ST Mesh has received CE mark for Hiatal Hernia Repair.

1. Preclinical data on file; results may not correlate to clinical performance in humans.
2. Deeken, CR., Badhwar A, Gagne DH. Comparison of the mechanical properties of two fully resorbable meshes in a porcine model. Presented at ASR 2016.
3. DeMeester, SR, et al. Use of fully bioresorbable poly-4-hydroxybutyrate mesh for reinforcement of crural closure during para-esophageal hernia repair. Presented at SAGES 2018.
4. The data represents unpublished preliminary results of a small, single-institution, single-surgeon, non-randomized study.



Designed to reinforce and conform to the crural repair in hiatal hernia procedures

Results

Number of patients	50
Mean age	65 years (30-98)
Gender	34 females; 16 males
Mean BMI	30.24 (41.5-17.7)
Median ASA	2
Mean operative time	150 min
Mean estimated blood loss	103 ml
Mean length of stay	2.8 days
Primary care	88%
Conversion to open procedure	4%
Fundoplication	98%
Partial Gastrectomy	2%
Collis gastroplasty	36%
Right relaxing incision	4%
Follow Up (Median)	8.5 months
Recurrences	2%
Mesh-related complications or erosions	0%

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Introducing the Dexitle™ anatomical mesh

Our Dexitle™ anatomical mesh has a patented 3-D anatomical shape that aligns with the contours of each side of the inguinal region. It also provides wide coverage of the MPO to minimize risk of recurrence.^{1,2,3} Large pore size supports excellent tissue ingrowth and visualization of surrounding anatomy during surgery.^{2,4,5}

1. Daes J, Felix E. Critical view of the myopectineal orifice. Ann Surg. 2017;266(1): e1–e2.
2. Based on internal report #43008CR339, Support for marketing claims related to surface of Dexitle™ anatomical mesh vs. competitors. August 2019.
3. Based on Medtronic patent #US-20180318057-A1, Prosthesis for inguinal hernia repair. Nov. 2018.
4. Weyhe D, Cobb W, Lecuivre J, et al. Large pore size and controlled mesh elongation are relevant predictors for mesh integration quality and low shrinkage—Systematic analysis of key parameters of meshes in a novel minipig hernia model. Int J Surg. 2015;22: 46–53. July 2015.
5. Based on Phycher report #IMP-Toxsys-1 month-PH-19-0218 final report. August 2019.

Dear friends of hernia surgery,
Dear sponsors,

Most of us will treasure 2020 as a very special year in many perspectives. The Covid-19 pandemic has struck the whole world and caused significant impact on our personal and professional lives. At the level of hernia surgery, the usual and familiar personal exchange between colleagues from all over the world was impossible at a moment's notice. Platforms, such as the Swiss Hernia Days and many other professional meetings, which not only allowed us to become better surgeons but first and foremost brought us closer together as friends and colleagues, were grounded.

Some congress organizers responded to that challenge by providing virtual meeting platforms, which could compensate for the loss in intellectual exchange. However, the important personal exchange and the conversations aside scientific sessions and podium discussions and the possibility for participants to get in direct contact with experts is still impossible. Therefore, we decided against virtual Swiss Hernia Days, since the personal and uncomplicated exchange of ideas in a very unique congress setting is one of the main characteristics of Swiss Hernia Days.

However, we didn't want to cancel the 2020 Swiss Hernia Days without providing any kind of information to our former and future participants and sponsors. That's why we created this booklet. It contains useful information about the Swiss Hernia Days fellowship and gives an outlook to the 2021 Swiss Hernia Days program including the **1ST SWISS HERNIA DAYS CADAVER WORKSHOP**. Also, the Swiss Association of Hernia Surgery (SAHC) introduces itself.

Last but not least this booklet also serves as a platform for all Swiss Hernia Days sponsors. We are very grateful for the industry support for this brochure despite the dire straits caused by the Covid-19 pandemic in many surgical tech companies. Without the generous support by the industry, the survival of Swiss Hernia Days would not be possible.

Have a good time reading this booklet! We hope to see all of you at the **4TH SWISS HERNIA DAYS 2021**, which will take place at the **9th and 10th September 2021 in Basel, Switzerland**.



Prof. Dr. Philipp Kirchhoff
Congress Chairman



PD Dr. Henry Hoffmann
Congress Chairman

Die operative Versorgung von Hernien gehört zu den weltweit häufigsten Eingriffen und ist aus dem täglichen Handwerk vieler Chirurgeninnen und Chirurgen nicht wegzudenken. Das Eingriffsspektrum ist umfangreich, technisch herausfordernd und kann dabei von einer einfachen Leistenhernie bis hin zur komplexen Bauchwandhernie reichen. Paradoxe Weise steckt jedoch die Forschung in der Hernienchirurgie im Vgl. zu vielen anderen chirurgischen Bereichen (z.B. Tumorchirurgie) noch in den Kinderschuhen. Viele Fragen zur Outcome-Qualität oder zu den Langzeiteffekten von Hernien-Operationen sind ungeklärt. Zudem stellen die rapide technische Innovation (z.B. OP-Roboter, VR-Technik, neue extraperitoneale minimal-invasive Techniken usw.) und die Arbeitsbedingungen der jungen Kolleginnen und Kollegen die Ausbildung vor immer grössere Herausforderungen.

In diesem Umfeld fungiert die SAHC daher als Schweizer Plattform für den kollegialen, fachlichen, wissenschaftlichen

und praktischen Austausch untereinander. Zum einen sollen Trends und neue Entwicklungen in der Hernienchirurgie fachlich begleitet werden. Zum anderen hat sich die SAHC zum Ziel gesetzt, wissenschaftliche Forschung sowie praktische Ausbildung intensiv zu fördern. Daher werden die Swiss Hernia Days als interaktiver Jahreskongress der SAHC und aller Schweizer Hernienchirurginnen und – chirurgen auch umfassend von der SAHC unterstützt.

Werden Sie SAHC-Mitglied zu einem symbolischen Beitrag von 26 CHF pro Jahr. Die SAHC Mitgliedschaft verschafft Ihnen viele Vorteile wie z.B. automatische Mitgliedschaft in der Europäischen Herniengesellschaft (EHS), kostenlosen Zugang zur Internet-Plattform der SAHC und Registrierung für den Swiss Hernia Talk (Facebook-Gruppe zur interaktiven Fallbesprechung und zum fachlichen Austausch).

Bleiben Sie gesund. Wir freuen uns auf die Swiss Hernia Days 2021. Weitere Informationen zur SAHC finden Sie unter www.sahc.ch

Le traitement chirurgical des hernies est l'une des procédures les plus courantes dans le monde et fait désormais partie intégrante du travail quotidien de nombreux chirurgiens. L'éventail des opérations est vaste, techniquement difficile pouvant aller d'une simple hernie inguinale à une hernie complexe de la paroi abdominale. Paradoxalement, par rapport à de nombreux autres domaines chirurgicaux (par exemple la chirurgie oncologique), la recherche dans le domaine de la chirurgie herniaire n'en est encore qu'à ses débuts. De nombreuses questions sur la qualité des résultats ou sur les effets à long terme de telles interventions restent souvent sans réponse. En outre, la rapidité des innovations techniques (par exemple, les robots chirurgicaux, la réalité virtuelle, les nouvelles techniques extrapéritonéales mini-invasives, etc.) et les conditions de travail des jeunes collègues représentent des défis toujours plus importants pour la formation.

Dans cet environnement, la SAHC fonctionne comme une plate-forme suisse d'échanges professionnels, scientifiques et pratiques entre collègues. Les nouvelles tendances et les développements en matière de chirurgie des hernies doivent être accompagnés de manière professionnelle. La SAHC s'est fixé comme objectif de promouvoir la recherche scientifique et la formation pratique. C'est pourquoi les swiss hernia

days en tant que congrès annuel interactif de la SAHC et de tous les chirurgiens suisses spécialisés dans les hernies, bénéficient du soutien complet de la SAHC.

Devenez membre de la SAHC par une contribution symbolique de 26 CHF par an. L'adhésion à la SAHC vous offre de nombreux avantages, tels que l'adhésion automatique à la Société européenne des hernies (EHS), l'accès gratuit à la plateforme internet de la SAHC et l'inscription au Swiss Hernia Talk (groupe Facebook pour des discussions de cas interactives et des échanges professionnels).

Prenez soins de vous. Nous nous réjouissons de retrouver les swiss hernia days en 2021. De plus amples informations sur la SAHC sont disponibles à l'adresse suivante: www.sahc.ch



SAHC

Swiss Association for Hernia Surgery



SAHC Faculty serving as Swiss Hernia Days Faculty in every year

I trattamenti chirurgici delle ernie è una delle procedure più comuni al mondo ed è ormai parte integrante del lavoro quotidiano di molti chirurghi. La gamma di operazioni è vasta, tecnicamente difficile, e va da una semplice ernia inguinale a una complessa ernia della parete addominale. Paradossalmente, rispetto a molti altri campi chirurgici (ad es. la chirurgia oncologica), la ricerca nel campo della chirurgia dell'ernia è ancora agli inizi. Molte domande sulla qualità dei risultati o sugli effetti a lungo termine di tali interventi rimangono spesso senza risposta. Inoltre, la velocità delle innovazioni tecniche (ad es. i robot chirurgici, la realtà virtuale, le nuove tecniche extraperitoneali mininvasive, ecc.) e le condizioni di lavoro dei giovani colleghi rappresentano sfide sempre maggiori per la formazione.

In questo contesto, la SAHC funziona come una piattaforma svizzera per scambi professionali, scientifici e pratici tra colleghi. Le nuove tendenze e gli sviluppi

nella chirurgia dell'ernia devono essere incoraggiati in modo professionale. La SAHC si è posta l'obiettivo di promuovere la ricerca scientifica e la formazione pratica. Questo è il motivo per cui gli Swiss Hernia Days, in qualità di congresso interattivo annuale della SAHC e di tutti i chirurghi svizzeri per l'ernia, beneficiano del pieno supporto della SAHC.

Diventate membri della SAHC con un contributo simbolico di 26 franchi l'anno. L'adesione alla SAHC offre molti vantaggi, come l'appartenenza automatica alla European Hernia Society (EHS), l'accesso gratuito alla piattaforma Internet SAHC e la registrazione allo Swiss Hernia Talk (gruppo Facebook per discussioni interattive sui casi e scambi professionali). Restate in salute.

Non vediamo l'ora di ritrovarci per gli Swiss Hernia Days nel 2021. Ulteriori informazioni sul SAHC sono disponibili al seguente indirizzo:

www.sahc.ch



Dr. Jan F. Kukleta
Präsident



Dr. Rolf Hunkeler
Aktuar



Dr. Walter Brunner
Vizepräsident

8.9.
2021

Be a part of the 1ST **CADAVER WORKSHOP** inguinal and ventral hernia repair

**ANATOMICAL
INSTITUTE
UNIVERSITY
HOSPITAL
BASEL**

The **SWISS HERNIA DAYS** are known for a unique and innovative congress concept. Therefore, in 2021 we will provide the **1ST SWISS HERNIA DAYS CADAVER WORKSHOP**.

The Cadaver Workshop will take place prior to the main congress at the Anatomical Institute of the University Basel and focusses on extraperitoneal minimally invasive techniques in ventral hernia repair. Further information will follow.

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*Based on internal test reports from April 2020. Please see the IFU for all indications, warnings and precautions.



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8.9.
Wednesday

1ST Cadaver Workshop

Introduction

Anatomy of the abdominal wall

Open component separation –
Tips and tricks

Open Sublay Repair

Endoscopic Component Separation

Botox, PPP and more

eTEP and MILOS

Case Discussions

Practical Exercises

ECS, eMILOS, eTEP, TAR
On five cadavers with table instruction by the experts

9.9.
Thursday

Swiss Hernia Days Day 1

Session 1 - The female hernia patient

Update – Diastasis recti
Same, same but different: female hernias Managing hernias during pregnancy

Session 2 – The Basics

Anatomy of the groin
Pitfalls in inguinal hernia repair
Pitfalls in ventral hernia repair

Session 3 – Complex Abdominal Wall Hernias

Do we need hernia centers for complex hernia repair?
Anterior or posterior component separation?
BTX and PPP – Does it help the patient and the surgeon?

Lunch Symposium

Best Video Award

Session 4 – Acute and chronic postoperative inguinal pain (CPIP)

The surgeon's perspective
The patient's perspective – 34yo male patient

Session 5 - How to bail out: my worst case

Three different Cases
Keynote lecture
Media and crisis management in the health care sector

Networking Event

10.9.
Friday

Swiss Hernia Days Day 2

Live-Surgery

Lunch Symposium

Session 6 – Challenges in the next decade

Big data in hernia surgery – Helpful or harmful?
3D, VR, robots - Where are we in 2030?
Patient reported outcome vs. hard facts: what's the future?

Session 7 – Special aspects of hernia surgery

Management of seroma after hernia surgery
Watchful waiting concepts in hernia surgery: when and how?
Sexual dysfunction after inguinal hernia surgery: an underestimated problem?

Championsleague

Teams: Switzerland vs. USA vs. Asia

Session 8 – Promising new techniques:

how far are we really?
Laparoscopic eTEP
Extraperitoneal robotic techniques
MILOS

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Prof. Jorge Daes
Barranquilla (Columbia)

Apply for the 3RD SHD Fellowship

Since 2018 «Swiss Hernia Days» offer an **annual international Fellowship**. The aim is to improve training, networking and learning from each other. We address young surgeons under 40 years who have a special interest in hernia surgery. The travel expenses for the fellowship are covered as well as accommodation cost.

The **Swiss Hernia Days International Fellowship** in 2021 will be hosted by **Prof. Jorge Daes**, Barranquilla (Columbia). Jorge Daes is the inventor of the famous eTEP technique, which was initially used for groin hernia repair and later applied in ventral hernia repair.

Prof. Daes not only an excellent surgeon striving for continuous improvement in hernia surgery, but also an excellent teacher.

Take your chance to visit Prof. Daes in Columbia, joining him during his outpatient clinic, hospital work and in the OR.

Applicants must register for the **4TH Swiss Hernia Days** and the networking event, where the fellowship will be awarded.

If you would like to apply please send a short letter of motivation, a brief CV and a list of your hernia surgeries per e-mail or per mail to the following address:

Prof Dr. Philipp Kirchhoff
ZweiChirurgen
Center for Hernia Surgery and Proctology
St. Johannis-Vorstadt 44
4056 Basel (Switzerland)
kirchhoff@zweichirurgen.ch

The definite deadline for the application will be promoted on swissherniadays.com/fellowship



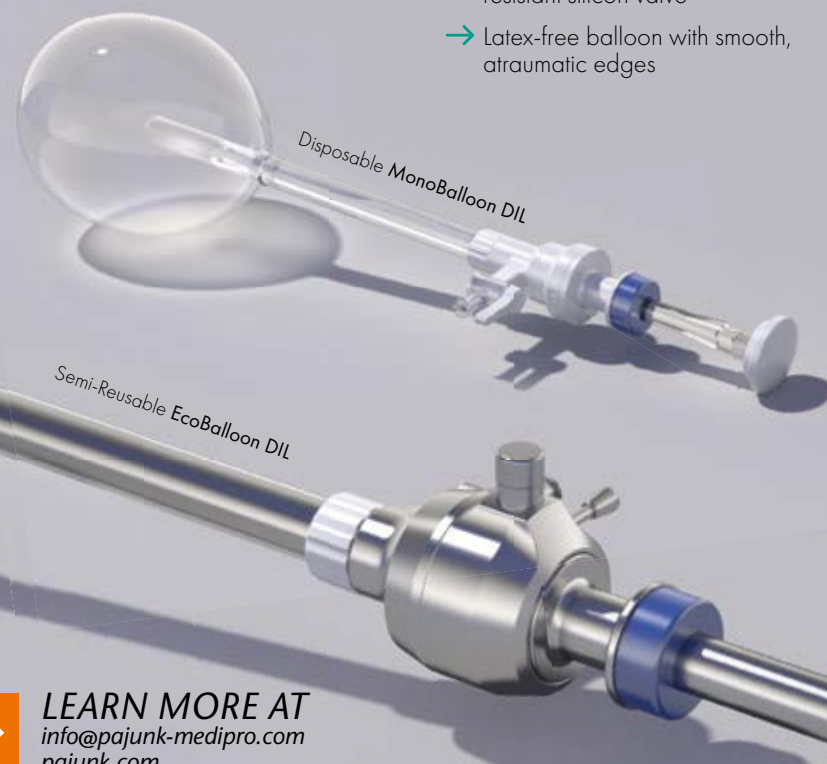
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Hernia inguinal



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- more rapid convalescence
- long-term safety
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efficiency
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procedures

Amid-Lichtenstein Hernia Clinic UCLA, Los Angeles, California (USA)

During the Swiss Hernia Days in 2018 I won the 1st Swiss Hernia Days Fellowship.

My host was Prof. David C. Chen, Clinical Director of the famous Lichtenstein-Amid Hernia Clinic at UCLA, Los Angeles, California. David generously invited me and my family to stay at his house in Santa Monica Bay in LA and so we extended the fellowship trip with a week of holidays in California. In preparation for my fellowship, he asked me to think about the operations and patients I would like to see. I had some techniques in mind and discussed my ideas with my team and prepared a list. Of course, getting to know how a proper Lichtenstein operation is done at the Lichtenstein clinic was one of the main points on my list.



a structured discussion of the surgical strategy beforehand considering the pros and cons of the different approaches and the expected complications may help to improve the surgical care of our hernia patients. Also, setting the right indication and choosing the right techniques seemed more difficult to me. Here I learned a lot by joining David's decision-making conversations with his team and his patients. Most impressive was the structured access for example to patients with chronic groin pain, which is a diagnostic and therapeutic challenge. This is one of David's surgical specialties, in which he gets referrals from all over the US. I could always ask and discuss thoughts and ideas with him.

The Swiss Hernia Days Fellowship was a perfect opportunity for me to learn from one of the best hernia surgeons in the world and to immerse into the hernia world at one of the world-renowned hernia centers. Thanks again to Henry and Philipp for giving me the chance to be part of such an experience, which has changed my daily surgical practice immediately. And last but not least I would like to thank David C. Chen for his hospitality, his kindness and for taking a whole week of his precious time educating me.



Dr. Bettina Herrmann with Prof. David C. Chen

My fellowship in Los Angeles finally took place in June 2019. I joined David for five straight days and was allowed to accompany him during his ward rounds, all his operations and team meetings. He showed me his surgical techniques such as Lichtenstein, Shouldice-repair, TEP, hiatal/umbilical/parastomal hernias and many general surgery procedures. Most impressive to me was a re-TEP for chronic groin pain after primary TEP repair with neurectomy and removal of the old mesh. By seeing David's structured approach to all his surgeries, I automatically started reflecting my own practices in Switzerland. I understood, that



Dr. Bettina Herrmann
OÄ Chirurgie,
Luzerner Kantonsspital,
Department Wolhusen
(Austria)

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(1-3)

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Background: At the time of undertaking the Swiss Hernia Days Travelling fellowship, I had just completed a post-training fellowship in complex abdominal wall reconstruction and colorectal surgery in Royal Devon and Exeter Hospital, Exeter. I commenced my appointment as a Consultant Colorectal Surgeon (with an interest in complex abdominal wall reconstruction) at Swansea Bay University Health Board, UK in March 2020, a fortnight after my trip to Ghent and the week the UK went into national lockdown due to the COVID-19 pandemic.

Host and Institution: The Swiss Hernia Days Travelling Fellowship was kindly hosted by Prof. Frederik Berrevoet and his amazing surgical team at the University Hospital in Ghent, Belgium.



Late lunch on the final day with Professor Berrevoet and Dr Matthias

Ghent City Centre: Ghent is a port city in the Flemish Region and is the third largest city in Belgium. The centre of the city is a very pretty with medieval architecture to stroll around and lovely river front bars to sample local Belgian beers. Ghent University Hospital is one of the largest hospitals in Belgium and is closely linked to Ghent University. It has over 1000 beds and employees around 6000 employees.

My Experience, Monday 9TH – Wednesday 11TH March 2020: On the Monday morning, I was warmly welcomed to the department by Prof. Berrevoet and he introduced me to his team

(Dr Orla, Dr Matthias, and Dr Natalie) at UZ Gent. That day I first observed a robotic flank hernia repair, and watched Dr Matthias undertake a beautiful pre-peritoneal dissection and with synthetic mesh placement. This was followed by an open recurrent midline incisional hernia repair with adhesiolysis for dense adhesions. The last case of the day I observed was a diagnostic laparoscopy for chronic pain following a TAPP repair of inguinal hernia 10 years ago. Prof Berrevoet took down some adhesions and the mesh was excised.

On Tuesday, I observed a transinguinal pre-peritoneal mesh repair by Dr Matthias. This was followed by an abdominal wall closure after the Urology team had undertaken a difficult cystectomy with removal of tumour deposits from the abdominal wall. The final case of the day was another joint case with the Urologists for an open incisional hernia repair and ileal conduit formation in a patient who previously had a cardiac transplant.

On Wednesday, I observed a transinguinal pre-peritoneal repair that required conversion into a lichtenstein repair as the hernia was a pantaloon hernia containing colon and bladder. This was followed by laparoscopic bilateral totally extra-peritoneal inguinal hernia repair. We then enjoyed a late lunch sat outside in the only few hours without rain for my entire stay in Belgium.

I would like to thank Swiss Hernia Days for supporting an invaluable experience in an excellent abdominal wall unit, led by Professor Berrevoet.



Rhiannon Harries
Consultant General Surgeon, Swansea Bay University Health Board, Swansea, UK

(1) Hoyuela C, Juvany M, Carvajal F, Veres A, Troyano D, Trias M, Martrat A, Ardid J, Obiols J, López-Cano M. Randomized clinical trial of mesh fixation with glue or sutures for Lichtenstein hernia repair. Br J Surg. 2017;104(6):688-94 (2) Helbling C, Schlumpf R. Sutureless Lichtenstein: first results of a prospective randomized clinical trial. Hernia. 2003;7(2):80-4. (3) Kim-Fuchs C, Angst E, Vorburger S, Helbling C, Candinas D, Schlumpf R. Prospective randomized trial comparing sutured with sutureless mesh fixation for Lichtenstein hernia repair: long-term results. Hernia. 2012;16(1):21-7.

SWISS HERNIA DAYS

FACULTY



Prof. Gina Lynn Adrales
President of the American Hernia Society (AHS), Director of Minimally Invasive Surgery Center, Johns Hopkins University, Baltimore (USA)



Prof. Rigoberto Álvarez MD
PROBEN, Specialty Hernia Clinic, Guadalajara (Mexico)



Prof. Conrad Ballecer
Center for Minimally Invasive and Robotic Surgery, Phoenix (USA)



Dr. Igor Belyansky
Director of Abdominal Wall Reconstruction Program, Anne Arundel Medical Center, Annapolis (USA)



Prof. Dr. Frederik Berrevoet
Department for General and HPB Surgery and Liver transplantation, University Hospital Gent, Belgium
Board member Belgian Section for Abdominal Wall Surgery (BSAWS)



Prof. Reinhard Bittner
President of the International Endohernia Society, Rottenburg (Germany)



Dr. Walter Brunner
Head of Surgical Department, Rorschach (Switzerland)
Executive Board Member of SAHS (Swiss Association of Hernia Surgery)



Dr. Alfred Allen E. Buenafe
Executive Director Philippine Center for Advanced Surgery
Cardinal Santos Medical Center Manila (Philippines)



Dr. Claude Burul
Chief of Surgery, Shouldice Clinic, Toronto (Canada)



Prof. Giampiero Campanelli
Milan (Italy)



Prof. Dr. David Chen
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Thank you!

The creation of this brochure would not have been possible without the help from our sponsors and the Swiss Society of Hernia Surgery (SAHC). Therewith, we would like to thank all sponsors, hernia friends, supporters and the congress organization for their support, not only this year. Thanks to the generous help and collaboration on this brochure. Only with this help in difficult times it has become possible for us to keep the **SWISS HERNIA DAYS** alive.

Now we are looking forward to a great meeting in 2021, which will take place at the **9th and 10th September 2021 in Basel, Switzerland**. However, COVID-19 will probably accompany us for years to come. We will have to get used to the situation and adapt the congress settings to the particular situation in autumn 2021. Nevertheless, we are very confident that we will be able to organize the Swiss Hernia Days in 2021 again keeping the unique, personal, interactive, social and scientific character.

We pursue our vision of establishing a long-term platform in Switzerland for all hernia-interested colleagues and surgical trainees, national and international experts and industry partners.

We are looking forward seeing you all in 2021! Join the Swiss Hernia Days, where Swissness meets hernia surgery.



Prof. Dr. Philipp Kirchhoff
Congress Chairman



PD Dr. Henry Hoffmann
Congress Chairman



Desire to enhance your OR efficiency?

Use your preferred instruments and surgical products in one convenient package

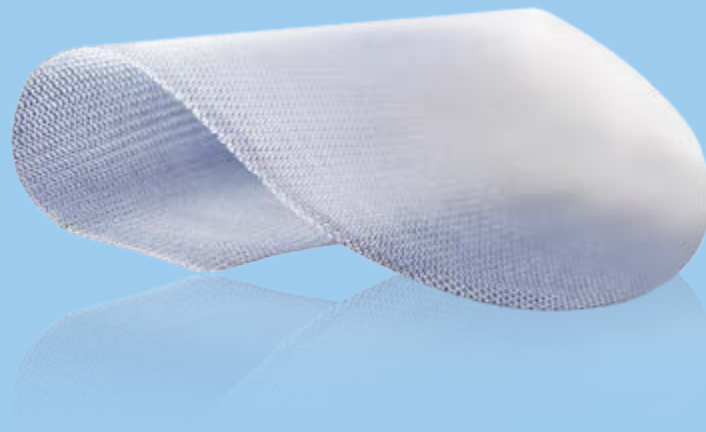
High-quality laparoscopic instruments

Specialised laparoscopic drapes and tray components



Phasix® Mesh

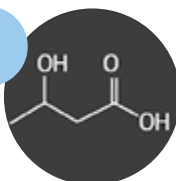
8 facts you should know



1 Phasix® Mesh = P4HB

Monomer form occurs in brain, heart, muscle, liver and kidney

1



5

Mesh strength & remodelling

Reliable mesh strength as with permanent mesh, remodeling properties as with biological mesh



2 Long-term absorbable

Controlled mesh resorption in 12-18 months

2



6

Low bacterial colonization

Preclinical study* showed lower MRSA colonization compared to other bio-synthetic mesh



3 Hydrolysis

Resorbs through hydrolysis into bio-compatible products (H₂O, CO₂)

3



7

M2 macrophages

P4HB activates M2 macrophages (important for wound healing)



4 Suture material

Monomax® suture material as well as the mesh consists of P4HB

4



8

Clinical results

In previous studies promising clinical results have been achieved



* Preclinical data on file. Results may not correlate to performance in humans.



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