

# 50 Years of EFSUMB

*Past, Present and Future*





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# FOREWORD

50 years of EFSUMB is a good occasion not only to celebrate together and to look back proudly, but also to remember the many members of our federation who made these 5 decades possible with their vision, with their heart and soul, with all their strength. We like to talk about the European Ultrasound Family.

This is a good comparison. In a family you have common genes, in our case it is mainly the gene that encodes the love for ultrasound. Each generation inherits experiences, achievements, and values of previous generations. Members of a family stay close together, especially in difficult times like ours, they help each other. Conflicts are resolved with mutual respect and in the knowledge that, despite all differences, we belong together.



*Christian Jenssen*  
*President 2021 -2023*

All this has sustained and held EFSUMB together for 5 decades: we have a common mission, and we are successful in spreading ultrasound in Europe and developing it to a high quality. This small 50th anniversary brochure wants to take you into this living history, of course with a little historical information, also with bridges to the present and future of our society, but above all it should convey the pride that all of you, the readers of this brochure, the participants of our 33rd EUROSON Congress, are part of this family history and will continue to write it!

We hope very much that you will enjoy reading this brochure and that you will have good, memorable encounters and experiences at the Congress in Timisoara, which may become part of your own EFSUMB history!



*Caroline Ewertsen*  
*President Elect*

## THE BEGINNINGS OF ULTRASOUND

*Christoph F. Dietrich*

The basic properties of sound were described in the classic work of Rayleigh, whose Theory of Sound was written during an 1871 honeymoon sailing trip up the Nile (1). The key to obtaining numerically useful information from sound waves came from the 1880 discovery, by the brothers Pierre and Jacques Curie, of the (direct and reverse) piezoelectric effects. Pulse-echo ultrasonic medical imaging did not start to develop for another seventy years, until the 1950s. The third development was due to Langevin. It was Langevin, who had been a student of the Curie brothers, who realized that the quartz crystal must be cut in a particular direction, 'x-cut', to create a powerful enough ultrasound wave and to form a sensitive enough receiver.

John Julian Wild happily discovered a US naval base (Wold-Chamberlain Naval Air Station) that was using an ultrasonic pulse-echo Navy Radar device operating at 15 MHz as a trainer for aircraft pilots, (2).

Wild gained entry, and was soon starting to measure the thickness of excised tissue and published in 1949 the first of a remarkable series of papers that effectively set the agenda for much of the future work in the field of ultrasonic imaging. His finding that echoes from tumor-invaded tissue could be distinguished from those produced by normal tissue in the same sample led him to apply ultrasound to cancer detection, particularly of the breast, and to lecture on "The use of ultrasonic pulses for the measurement of biologic tissues and the detection of tissue density changes" (2). In 1952 together with Jack Reid, a recent graduate in engineering, he described the first real time B-mode scanner, which they used on patients to examine the breast (3).

The potential of ultrasound to provide diagnostic information was more widely described at the First International Congress on Ultrasound in Medicine held in Erlangen in 1949 (4).

The earliest diagnostic applications of ultrasound to abdominal disease was the work of George Ludwig, in the late 1940s and early 1950s, on detection of gallstones embedded in the muscles of animals (5).



George Ludwig's A-Mode ultrasound apparatus ("Ultrasonic Locator"), used in his gallstone experiments (1950; General Precision Laboratories, Pleasantville, New York).

(Courtesy Joseph Woo;

[https://www.ob-ultrasound.net/Ludwig\\_first\\_ultrasound\\_machine.html](https://www.ob-ultrasound.net/Ludwig_first_ultrasound_machine.html)).

If you are interested, please visit open access "Medical Ultrasonography" (<https://www.medultrason.ro/medultrason/index.php/medultrason>) for the full publication or the EFSUMB website ([www.efsumb.org](http://www.efsumb.org)), History of Ultrasound chapters of its members.

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## 50<sup>TH</sup> ANNIVERSARY OF EFSUMB: A short review and outlook

*Christian Jenssen*

### *From Berlin to Basel: The Vision of Multidisciplinary Ultrasound*

The history of EFSUMB begins in 1964, and interestingly, it begins in one of the so-called "small clinical specialties" and not in radiology or internal medicine. First reports on A-Mode scanning of the eye were published in 1956 by Mundt and Hughes (USA) and in 1957 by Oksala and Lehtinen (Finland) (1, 2). In June 1964, the ophthalmologist Werner Buschmann from the Berlin Charité invited US, Canadian, British, Austrian, Finnish, Polish, Czech, Russian, Hungarian, Swedish, East and West German physicians to a symposium on ophthalmologic ultrasound in East Berlin, then capital of the German Democratic Republic. They founded the Societas Internationalis Pro Diagnostica Ultrasonica in Ophthalmologia (SIDUO), the first international ultrasound society. Already by 1966, at the SIDUO II symposium in Brno (Czechoslovakia), SIDUO invited ultrasound diagnosticians of other specialties to join.

In June 1969, SIDUO III in Vienna expanded to become the First World Congress on Ultrasonic Diagnostics and was the initial spark for the foundation of ultrasound organisations in several European countries.

The first were the Swiss Working Group on Ultrasonics (SAGU) and the British Medical Ultrasonics Group (BMUG, later BMUS). On the occasion of its 4th annual meeting, SAGU invited representatives of these interest groups for medical ultrasound from 13 Eastern and Western European countries to Basel (Switzerland) on February 11, 1972. So, Basel became the birthplace of the European Federation of Societies in Ultrasound in Medicine and Biology (EFSUMB). EFSUMBs first president was Marinus de Vlieger, a Dutch neurologist from Rotterdam, who in 1959 had published a paper on A-Scan echoencephalography (3).

The first vice-president was the East-German ophthalmologist Buschmann. Due to the affiliation of their national member societies to different economic systems, there were two treasurers: the ophthalmologist Anna Bertényi from Budapest and the gynaecologist Salvator Levi from Brussels. Thus, EFSUMB from its very beginning was not only a truly multidisciplinary society, but beyond that, a bridge through the iron curtain during the cold war (4).



*Marinus de Vlieger, the first EFSUMB president (1972 – 1975) and chair of the committee to prepare the foundation of WFUMB (1973), at the First World Congress on Ultrasonic Diagnostics in Vienna in 1969.*



*Title page of the proceedings of the Fourth Annual Meeting of the Swiss Working Group for Ultrasound Diagnostics in conjunction with the First European Conference of the Societies for Ultrasound in Medicine and Biology, Basel, February 12, 1972, in the auditorium of the Hoffmann-La Roche Company*

### *Our mission: Clinical, multidisciplinary and safe Ultrasound across Europe*

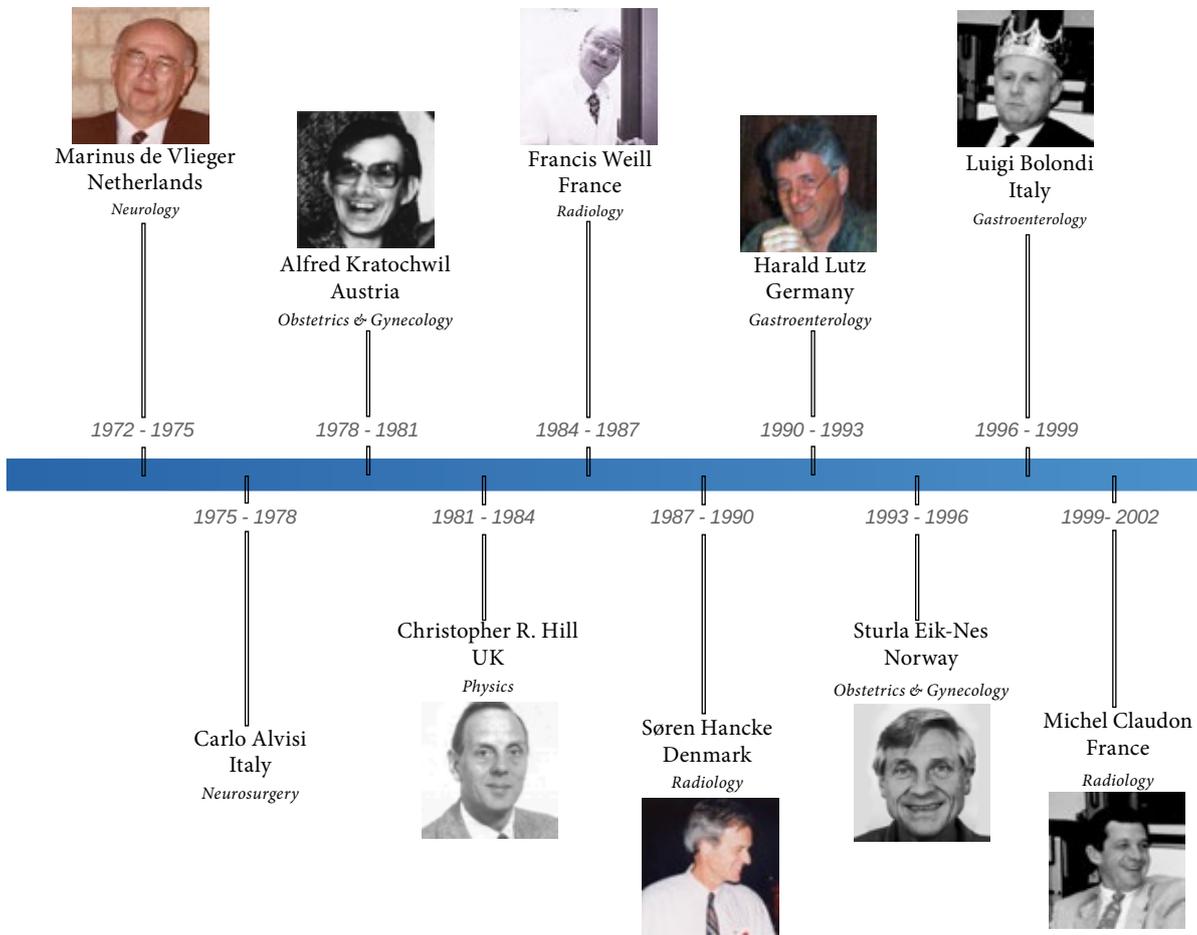
The Third European Congress on Ultrasonics in Medicine "Investigative Ultrasonology" held in Bologna from October, 1 - 5, 1978, under the presidency of the Neurosurgeon Professor Carlo Alvisi became a milestone for EFSUMB. In the Declaration of Bologna, EFSUMB committed itself to the principle of clinical and multidisciplinary ultrasound and adopted basic principles which still describe the credo of the EFSUMB today: diagnostic ultrasound should be open to representatives of all medical disciplines, the medical well-being of patients and cost-effectiveness should be the primary criteria for the diagnostic use of ultrasound by all specialties, and EFSUMB - in collaboration with WFUMB - should assume responsibility for developing scientific recommendations for the clinical use and safety of diagnostic ultrasound (4).

At the beginning of the new millennium, the mission of EFSUMB formulated in Bologna was supplemented by "Building a European Ultrasound Community" and in January 2019 by "Educating all for Competence to Practice Ultrasound Safely".

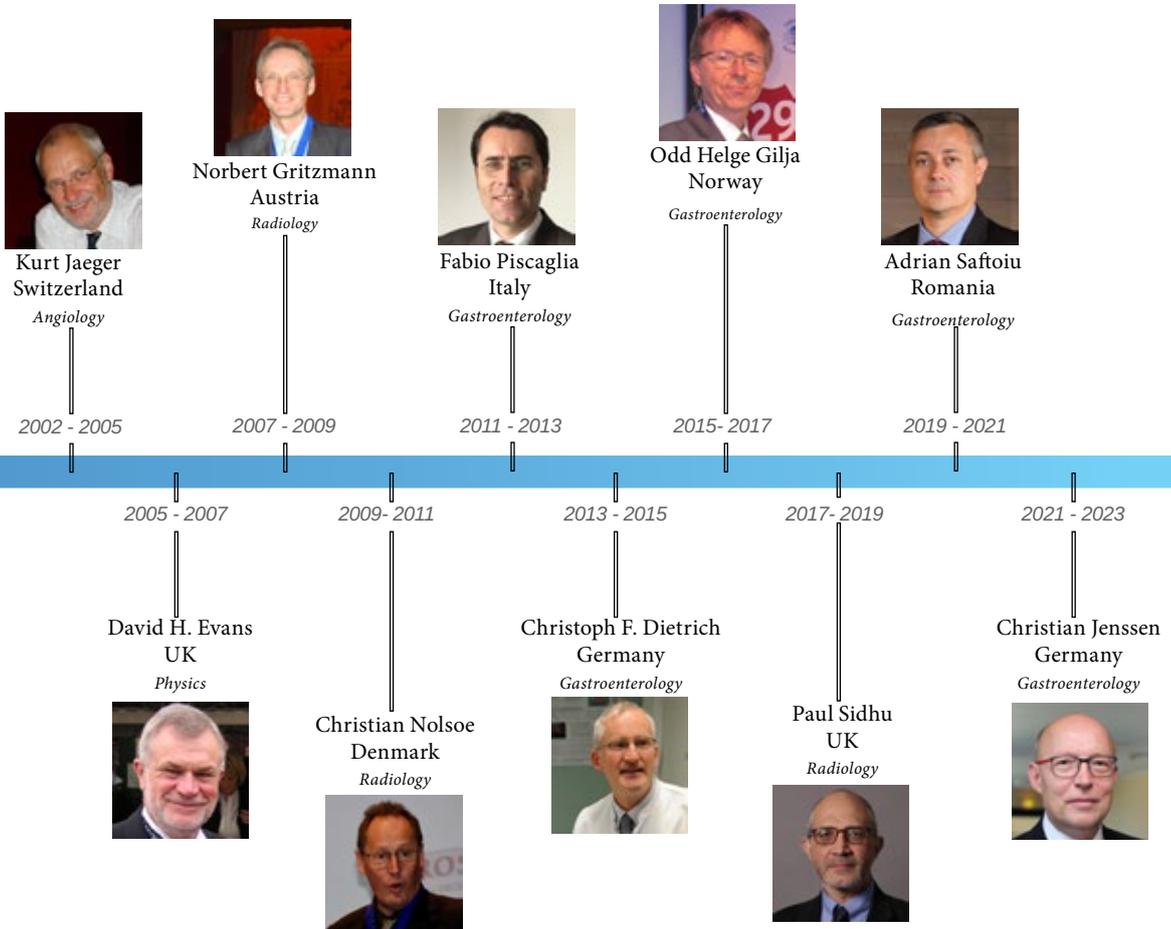
### *Milestones*

Within 5 decades, EFSUMB has had to cope with several challenges, among them financial restrictions and debates on the distribution of tasks and competencies with WFUMB particularly in the early years. The political reorganization after the end of the Cold War led to the foundation and affiliation of new ultrasound societies, especially in the former states of the Eastern Bloc. Some member societies left, some re-joined, e.g. the British and the Polish Societies. In some countries there were different national ultrasound societies competing for membership of EFSUMB, such as in Belgium, Italy, and Spain. In other countries, obstetricians and gynecologists left the interdisciplinary national ultrasound societies. The issue of balancing the interests between the small and large member organizations has been a recurring challenge for many EFSUMB boards and has resulted in numerous revisions of the constitution (4). But thanks to the strong vision developed by the founders of EFSUMB in 1972 and strengthened by the Bologna Declaration in 1978, the EFSUMB ship has always had a clear course, at least a hand's breadth of water under the keel, stable guiding planks, well-filled sails, far-sighted coxswains (Timeline 1), and enthusiastic crews.

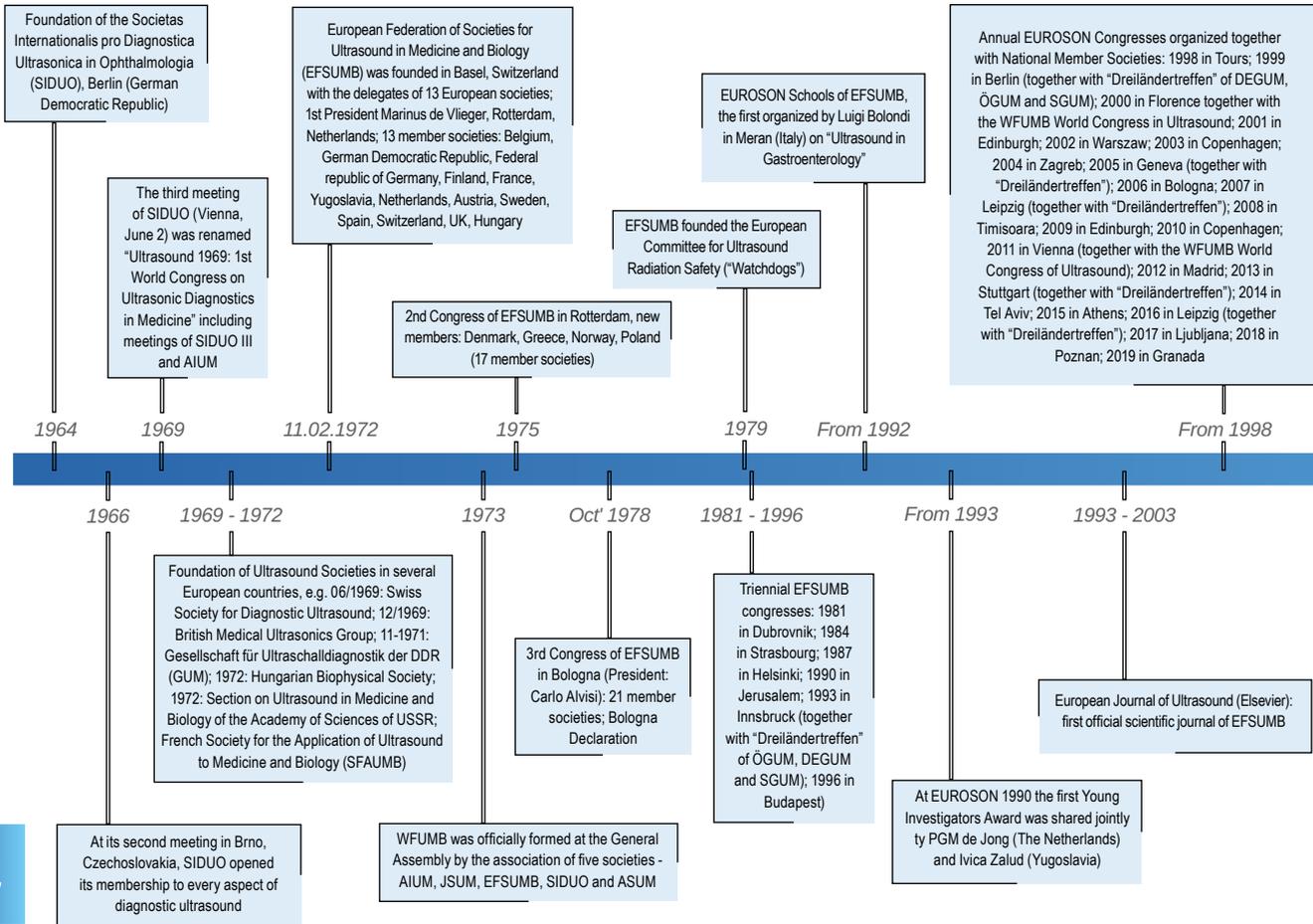
# Timeline 1: Presidents from 50 years of EFSUMB

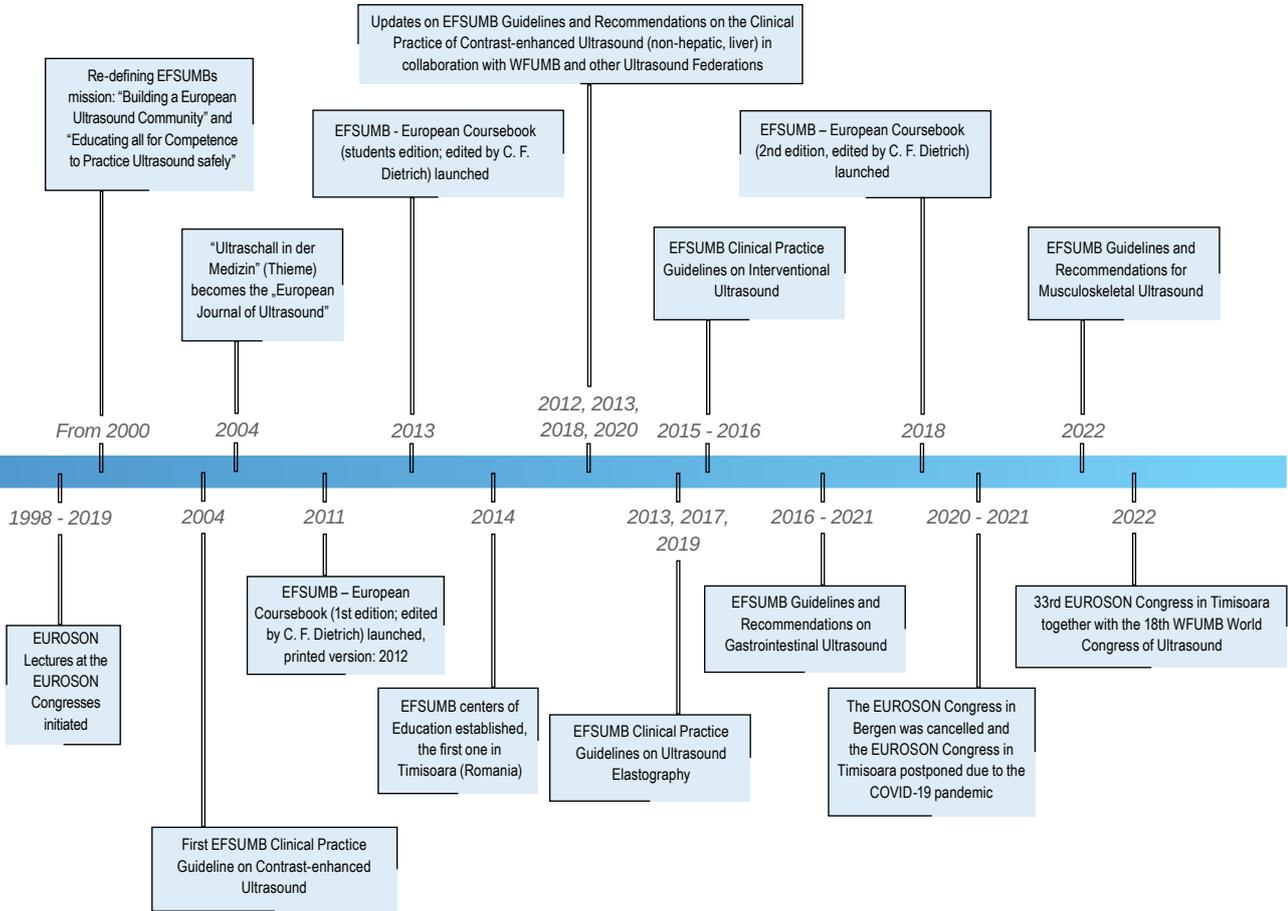


Timeline 1: Presidents from 50 years of EFSUMB



# Timeline 2: 50 years of EFSUMB history at a glance







Announcement of the 20th  
EUROSON Congress in  
Timisoara, Romania, 2008

32 successful EUROSON Congresses in 17 countries, countless EUROSON Schools (the first organized by Luigi Bolondi in 1992), the EFSUMB “European Coursebook” (2012), EFSUMB Learning Centers (the first in Timisoara, Romania, in 2014), and a series of widely cited clinical practice guidelines (the first on the use of ultrasound contrast agents in 2004) (5) became internationally renowned trademarks of EFSUMB (4, 6) (Timeline 2). “Ultraschall in der Medizin” (Thieme), the member journal of the three German-speaking ultrasound societies, in 2004 became the “official scientific mouthpiece of EFSUMB” (7) and is now, with an impact factor of 6.55, the highest ranking interdisciplinary scientific ultrasound journal worldwide. Starting with a handful of enthusiasts from 13 countries, membership increased to 20 national member societies in 1995 to 26 in 2000. Successful educational partnerships were established with the European Society of Radiology (ESR), the United European Gastroenterology (UEG), and the European Association for the Study of the Liver (EASL). In 2022 EFSUMB represents a dynamic, diverse and influential European Ultrasound Family with approximately 20,000 European ultrasound practitioners and scientists from 30 member societies.

## *Our Present is Yesterday's Future*

Our present is that future Peter Wells looked into at the 3rd EFSUMB Congress in Bologna in 1978, when he talked about the future range of ultrasound diagnostics from simple, inexpensive and bedside systems in the hands of the clinician and on the other hand sophisticated and high-resolution specialist systems (8).

And, indeed, fostered by the advent of portable ultrasound equipment, Ultrasound has evolved to a tool available in principle to any clinician in almost any situation of medical practice (9). And on the other hand, advanced ultrasound has become an invaluable and unique voice in the exclusive contemporary orchestra of multiparametric imaging modalities (10). This wide range of ultrasound on the one hand as a democratic, broadly available tool, on the other hand as an exclusive, specialist method, used percutaneously, endocavitary and intraoperatively for both diagnostic and therapeutic purposes, on the small as well as on the large organs, presents us with new challenges. Satisfying the scientifically committed ultrasound experts and at the same time assisting the many ultrasound practitioners in practices and hospitals who perform ultrasound with sometimes rather simple equipment and often under intense time pressure is the balancing act for which we must combine elasticity and stability.



*Proceedings of the 3rd  
EFSUMB Congress in Bologna,  
Italy, in 1978*

EFSUMBs concept of ultrasound professionalism (11) is one answer to this challenge. It describes the common basis for how all different medical professions should perform, document, and report their various ultrasound examinations throughout Europe.

### *Timisoara: History obligates*

EFSUMB, with its congresses, educational events and working groups has a long tradition of building bridges across political and ideological boundaries. It was 50 years ago that ultrasound enthusiasts from hostile states on both sides of the iron curtain shook hands and started a cooperation that is still successful today. Our mission and unity as the European Ultrasound Family is even more important when people are killed in war and sick people can no longer receive adequate medical care. Our members in Ukraine care for their patients under the most difficult and dangerous circumstances or are on the run. They need the solid strength of our community.

Therefore, let us show the world, let us show our politicians, our patients and our colleagues that the European and worldwide ultrasound family stands united and strong in its mission to the service of human life and health. Let us use our advocacy for rapid, safe diagnosis of disease using ultrasound to show the senseless destruction of human life in war! Let us be "apostles of peace and reconciliation" as Rudolf Virchow urged in 1869 (12), and continue with this congress our tradition of building bridges between people of different nations and cultures (13). Let us make the 50-year-anniversary and our congress in Timisoara a great celebration of ultrasound, friendship and peaceful exchange!

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MEMORIES: Christopher (Kit) R. Hill  
United Kingdom

*EFSUMB President 1981-1984*

*"First cause no harm' is the mantra taught for all medical students. An important activity of WFUMB/EFSUMB has been to sponsor an expert group on the safety of clinical ultrasound.*

*For many years, the EFSUMB safety committee, which was named 'The Watchdogs', provided continues reviews and advice on the safe use of ultrasound, and on its scientific basis."*

Emeritus Professor Christopher (Kit) R. Hill, former head of the Department of Physics, Institute of Cancer Research, Royal Marsden Hospital, London. He started his research career in ultrasound in 1968 with papers on the biological effects of ultrasound, cavitation and the calibration of ultrasonic beams. Later he published on high-intensity focused ultrasound; 1976 – 1978 president of British Medical Ultrasound Society; 1970-81 Chairman of the International Electrotechnical Commission Working Group on Medical Ultrasonic Equipment for the period, Secretary of the World Federation for Ultrasound in Medicine and Biology since 1979 and Vice-president and President-designate for the BIR (1986-1990).



*Christopher R. Hill 2003 being awarded the honorary membership of International Society of Therapeutic Ultrasound ISTU by Professor Gail ter Haar, his long-time comrade-in-arms with "The Watchdogs"*

*"Incidentally, when I was secretary of EFSUMB, we did propose a journal to be called European Medical Ultrasonics. However, when I asked a radiologist colleague, Hylton Meire, to edit it, he pointed out that EMU is medical shorthand for "early morning urine", so we dropped that idea."*

## MEMORY: Francis Weill France

*EFSUMB President 1984 – 1987*  
*WFUMB President 1988 - 1991*

*"Harald, I leave now the always fighting EFSUMB and go to the peaceful WFUMB"*

(Francis Weill to Harald Lutz, 1997)

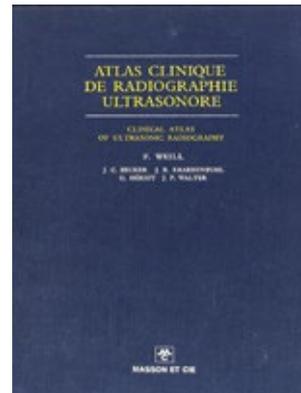
The background of this call-out were disputes about the representation of ultrasonographers of one country between different national ultrasound societies, e.g. in Italy. But it was also about the membership of other national ultrasound societies, which were either not located in Europe (Egypt), represented only sections within the national Radiology Society or did not fulfill other formal requirements for EFSUMB membership (statute, membership lists).



*Francis Weill in the history session at the Ultrasound World Congress 2011 in Vienna, Austria*

In 1986, the "Mediterranean and African Society for Ultrasound (MASU)" also wanted to join the EFSUMB, but then found its home within WFUMB in 1988.

Former Professor of Radiology and Chief of the Department of General Radiology at the University Hospital of Besançon, Alsace, France. Participant of First International Ultrasound Meeting in Vienna in 1969. First publications in 1970 "Tomo-echography". In 1971 he organized the 1st multidisciplinary French echography meeting, and in 1972 he was co-founder of the French Society of Ultrasound together with Professors Thérèse Planiol and Léandre Pourcelot from Tours. In 1973 he published the famous Clinical Atlas of Ultrasonic Radiology (2 volumes), and later his textbook on Ultrasound Diagnosis of Digestive Diseases.



*Title of the famous "Atlas Clinique De Radiographie Ultrasonore" (Clinical Atlas of Ultrasonic Radiography), edited by Francis Weill in 1973*

**MESSAGE: Søren Hancke**  
**Denmark**

*EFSUMB President 1987-1990*

*Secretary General of WFUMB, 1994-2003*

*“Our most important and beloved EFSUMB can now celebrate its first 50 years, and I believe that the many activities initiated and guided by the Federation through the years have left utmost fruitful scientific and practical inspirations to a large number of international members.*

*I am sure that the participants joining the International Congress in Timisoara will appreciate your activities in creating a fruitful congress. A congress that will cover a high medical scientific standard, but also demonstrate the policy of the European Federation: We must not stand by and do nothing because of the present terrible war, but work together and build bridges. Let the congress be an image of hope, reconciliation and international understanding.”*

Copenhagen, March 14, 2022

Former Chief physician and head of the Ultrasound Laboratories of Copenhagen County Hospitals Gentofte (1981-96) and Herlev (1996-2003). Still active at Danish Ultrasound Center (DUCAS), Charlottenlund. Authored more than 100 scientific articles and review articles in Danish and international journals, starting with his thesis on ultrasound scanning and ultrasound-guided biopsy for diagnosis of pancreatic cancer (1981), and a textbook on Abdominal Ultrasound. Co-founder and secretary of the Danish Ultrasound Diagnostic Society (DUDS) 1981-85.

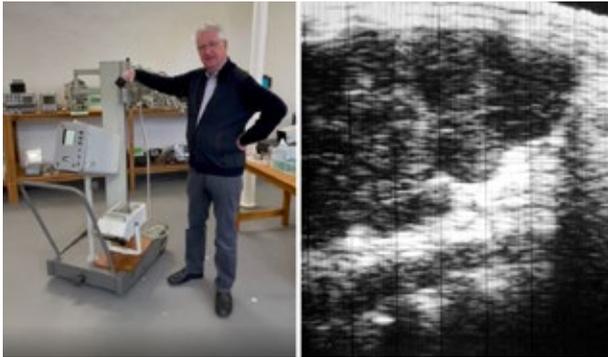


*Søren Hancke (EFSUMB President 1987 – 1990) at the WFUMB Congress 1991 in Copenhagen, Denmark*

## MESSAGE: Harald Lutz Germany

*EFSUMB President 1990-1993,  
WFUMB President, 1997-2000*

*"Dear participants of the 33rd EUROSON Congress of EFSUMB, I wish you a succesful meeting in Timisoara. If you like, you can see some first grayscale technique images made with the Vidoson 635 around 40 years ago." (see anniversary quiz, pages 27-29)*



*Harald Lutz with the worldwide first realtime and grayscale ultrasoundmaschine Vidoson 635 (Siemens, Erlangen; 1965 – 1975) in the German Ultrasound Museum in Lennep, April 2022 (left) and a historical grayscale image of a metastatic liver, made by Harald Lutz in 1979 using the Vidoson machine*

*"I would like to remind you that the first meeting of the whole world of ultrasound was held in Vienna in 1969. And at this time we started the foundation of the national ultrasound societies and formed the European Federation of Societies for Ultrasound in Medicine and Biology just 3 years later in Basel, Switzerland. And this, dear participants, is the reason why I like to congratulate all my colleagues doing ultrasound on the 50th anniversary of the European Federation. And again: I wish you a nice and interesting congress!"*

Lennep, April 2022



*Harald Lutz in his time as WFUMB president in 1998 at the VI. International Congress of the Mediterranean and African Society of Ultrasound (MASU) together with Luigi Bolondi, Søren Hancke and MASU representatives*

Emeritus Professor of Internal Medicine and Gastroenterology, former Director of the Department for Internal Medicine at Klinikum Bayreuth. He started his research career with publications on pancreatic and gastrointestinal ultrasound in 1972. 1973 Chair of the famous Erlangen Ultrasound Lab, 1978 1st German Textbook on Ultrasound in Internal Medicine, 1983 – 1986 DEGUM President, Editor of the WHO Manual of Diagnostic Ultrasound (5 volumes), Co-Founder of the German Ultrasound Museum (1993), together with Karl-Heinz Seitz Founder of the 1st EUROSON School on Gastroenterology 1996; together with B. Frentzel-Beyme, C. Jakobeit, D. Nürnberg and M. Salaschek Editor of "Zur Geschichte der Ultraschalldiagnostik" ("On the History of Diagnostic Ultrasound"), Ultraschall Museum, Lennep, 2020, Germany).

## MEMORIES: Luigi Bolondi

### Italy

*EFSUMB President 1996–1999*

*“My active life in EFSUMB started in 1978, when Bologna hosted the 3rd EFSUMB congress, and I was the general secretary of the organizing committee. At that time in Italy we had many different small groups of pioneers for the study of US in various specialties. Their umbrella organization SISUM, under the chairmanship of a neurosurgeon (Carlo Alvisi), organized the Bologna Congress which was a big success, with over 1000 attendants. It definitely established the importance of US in the diagnostic armamentarium of many different disciplines. In the following years, a conflict between radiologists and clinicians for the use of US in clinical practice (especially in Internal Medicine and Gynecology) arose in many countries, including Italy, and I was particularly involved in supporting the value of performing US examinations by clinicians. For this purpose, I founded the Italian Society for Ultrasound in Medicine and Biology (SIUMB), a multidisciplinary Society including all the clinicians and radiologists involved in the use of US. Hundreds of clinicians coming from Italy and from abroad were educated and trained in clinical US at the Bologna School. SIUMB was officially accepted as a member of the European Federation in 1987 at the General Assembly of the EUROSON Congress in Helsinki. The second important decade (1996–2006) included the period when I was EFSUMB President (1996–1999) and when I organized the WFUMB World Congress of Ultrasound in conjunction with the EUROSON Congress in Florence in May 2000, and the EUROSON Congress in Bologna 2006.”*

*“In the same years, considering the pivotal role of education and the necessity to establish common rules for the standards of US practice in Europe, I founded the EUROSON School giving it the logo (the Nautilus). I believe that in those years, despite the widespread diffusion of US in clinical disciplines and the growing interest and activity of different clinical and radiological societies in the field of ultrasound, EFSUMB has maintained and progressively reinforced its role as central and international reference for the correct application of US in the clinical practice.”*



Organized the WFUMB & EUROSON Congress in Florence in 2000 (over 3500 attendees from more than 40 Countries) and the EUROSON congresses in Bologna in 1978 and in 2006. Honorary Member of EFSUMB, 2016.

Emeritus Professor of Internal Medicine at the University of Bologna. He started his research career with publications on pancreatic, biliary, gastrointestinal and, in particular, hepatic ultrasound in 1972, published more than 390 scientific papers and edited several ultrasound textbooks. Remarkable contributions to diagnostic and interventional ultrasound of focal liver lesions and hepatocellular carcinoma. Co-author of the first EFSUMB guidelines on the use of Contrast Enhanced Ultrasound (2004, 621 citations) and the 1st Update in 2008 (1153 citations).



*The opening ceremony of the WFUMB / EUROSON Congress in Florence 2000. Luigi Bolondi (left) and Giorgio Rizzatto opened the Congress dressed as Medical Doctors of the XVIIIth century.*

## MEMORIES: Christian Pállson Nolsøe Denmark

*EFSUMB President 2009-2011*

*WFUMB President, 2017-2019*

*Christian Pállson Nolsøe (EFSUMB President 2009 - 2011) at the 21th EUROSON Congress in Edinburgh (UK)*



*“My term as EFSUMB President started with the 21st EUROSON Congress in Edinburgh December 2009 and ended with the combined WFUMB/EUROSON/Dreiländertreffen in Vienna in August 2011. In between and by pure coincidence we had the great honor in Danish Society of Diagnostic Ultrasound to host the 22nd EUROSON Congress. Two major events frame this period in my mind as well as in real life.*

- 1. Our highly respected and sublimely efficient Executive Secretary Lynne Rudd entered the EFSUMB scene together with me at the occasion of the Edinburgh EUROSON. I remember this as a rather ceremoniously solemn moment as we had to walk into the auditorium as a parade.*
- 2. The first EFSUMB non-liver CEUS guideline was created and published towards the of my term. Like all other EFSUMB guidelines this document was highly regarded and very well received by the international ultrasound community.*

*The first point has resulted in a lasting friendship – at least when viewed from my side.*

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*Two fresh faces at EFSUMB: The new Executive Secretary Lynne Rudd (UK) and the new President Christian Pállson Nolsøe at the 21th EUROSON Congress in Edinburgh (UK)*

*The second point has stood the test of time extremely well and to date the article is one of the highest ranked EFSUMB guidelines ever published when viewed by number of citations. Both events as well as all the kind people and fabulous places that were in between are valuable memories that I highly cherish and will for always carry with me. In addition, I was lucky to make wonderful friendships with many fantastic people which I am confident will last for a lifetime. It was professionally exciting and intellectually challenging to be part of the EFSUMB world, sometimes hard work, often great fun but always giving, stimulating and worth the effort. I thank EFSUMB and all its members for allowing me to take the wheel for a short while.”*

*Copenhagen, April 10, 2022*

Asc. Professor of Radiology at Zealand Hospital, at Copenhagen Academy for Medical Education and Simulation (CAMES) and Director, Center for Surgical Ultrasound, Dept of Surgery, Zealand University Hospital, Køge, Denmark. 2004 – 2007 President of the Danish Ultrasound Society. Second author of EFSUMB Guidelines on non-hepatic applications of contrast-enhanced ultrasound (2012; 1301 citations), 2nd main author of the 2020 Update of WFUMB, EFSUMB, AFSUMB, AIUM & FLAUS Guidelines on contrast-enhanced ultrasound of the liver (134 citations so far). 90 articles in peer reviewed scientific journals.

## MEMORIES: Fabio Piscaglia Italy

*EFSUMB President 2011-2013*

*“Possibly my greatest success as EFSUMB president was the first Consensus meeting on Elastography held in Bologna in 2012, whose outcome was the first release of the Elastography guidelines. The publication success has been exceptionally good, paving the way to the leadership of EFSUMB in this field. I remember I put forward the proposal as president elect at a meeting of the ExB during the 22nd Euroson congress in Denmark in August 2010. Setting the basis for the widespread use of Elastography was one of my main aims during my Presidency (we started the cooperation with EASL organising hands on courses and starting having a booth at the International Liver Congress). I am proud to have invented the acronym pSWE for point Shear Wave Elastography. My worst fear was the organisation of the Euroson Congress in Israel. I sincerely would have preferred having the congress somewhere else, but finally Israel won the bid for 2014. My greatest concern was the war or terroristic attacks, causing a too limited participation. The congress went well, held in Israel in 2014 July.*

*I discovered very well that Israel is not considered Europe despite being part of the European Federation of Ultrasound Societies when I received the bill for the phone calls I had to make towards Italy during the congress, as they were all charged as International Calls. I let you imagine how big was the bill ...”*

Bologna, March 01, 2022

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*Consensus meeting of the 1st EFSUMB Guidelines on Ultrasound Elastography in Bologna (Italy), 2012: Fabio Piscaglia (left) together with Christoph Frank Dietrich (EFSUMB President 2013 – 2015, middle) and David Cosgrove (1938-2017, right)*

Full Professor at the Department of Medical and Surgical Sciences, University of Bologna, and director of Division of Internal Medicine at Policlinico di Sant’Orsola. He started his research career with publications on ultrasound diagnosis of portal hypertension in 1995. Initiated first EFSUMB Guidelines on elastography in 2010 at the 22nd EUROSON Congress in Denmark, published in 2013 (1st part with 1210 citations and 2nd part with 1085 citations), first author of the Update of EFSUMB guidelines on non-hepatic applications of contrast-enhanced ultrasound (2012; 1301 citations). More than 350 articles in peer reviewed scientific journals. Associate editor of “Ultraschall in der Medizin/ European Journal of Ultrasound” and “Digestive and Liver Disease”.



*Training for a demanding presidency: Fabio Piscaglia (EFSUMB President 2011 -2013) together with his predecessor President Christian Nolsoe (2009 – 2011) during a stormy boat trip on the coast off Bergen (Norway)*

## MESSAGE: Christoph Frank Dietrich Germany

*EFSUMB President 2013-2015*



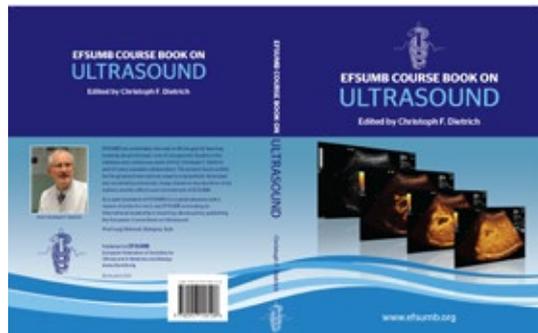
*Christoph F. Dietrich  
(EFSUMB President  
2013 – 2015) at the 26th  
EUROSON Congress in  
Tel Aviv (Israel) together  
with the Congress  
President from Israel,  
Diana Gaitini*

### *“When art meets science”*

*“Art and science have often been seen as two distinct disciplines. When they are studied together it is clear that they complement each other. Art and Science are both about observation and interpretation. Kant assumes that all knowledge is dependent on the interaction of views (“Begriffe”) and concepts (“Anschauung”). He refers to “The manifold” which is the unorganised flux presented to the senses, but not experienced - a perception that needs a conceptual order in order to be able to lead to knowledge. Creativity is required to make scientific breakthroughs, and art can be often considered as an expression of scientific knowledge enabling better understanding and communication of science. Understanding both helps medical doctors to deliver the best care to our patients.”*

Bern, March 02, 2022

Professor of Internal Medicine and Director of the Department of General Internal Medicine at Hirslanden, Bern, Switzerland. He started his research career with publications on ultrasound diagnosis of gastrointestinal and hepatobiliary diseases in 1996. Initiated first EFSUMB Guidelines on interventional ultrasound (6 parts with 72 – 123 citations), pushed forward the Updates of EFSUMB Guidelines on contrast-enhanced ultrasound from 2011 (co-first author) of the 2012 Update with 1302 citations and first author of the 2020 Update of WFUMB, EFSUMB, AFSUMB, AIUM & FLAUS Guidelines on contrast-enhanced ultrasound of the liver with 134 citations so far). More than 550 articles in peer reviewed scientific journals, editor of several textbooks on ultrasound and endoscopic ultrasound. Initiated and edited the EFSUMB Course Book on Ultrasound (2nd edition online: <https://efsumb.org/efsumb-course-book/>).



*The EFSUMB Coursebook on Ultrasound was edited by Christoph F. Dietrich, the 1st edition printed in 2012*

## MEMORIES: Odd Helge Gilja Norway

*EFSUMB President 2015-2017*

*“Looking back on the exciting years serving in EFSUMB ExB first as Honorary Secretary and then as President, I am filled with gratefulness and joy for the opportunity I had to work for the best of European ultrasound. During my time as President, my main focus was science-based education. I worked to revitalize the Euroson Schools to promote high quality and excellence in education and competence building. During my presidency, we increased the numbers of Euroson Schools significantly and reached over 130 Euroson Schools in total, along with 10-15 EFSUMB endorsed courses yearly. A new series of EFSUMB webinars was started in 2015, and the EFSUMB Ultrasound App was initiated, aiming to improve communication with our members, particularly new, younger members who wants rapid access to all that EFSUMB can provide of teaching material. Moreover, we established the new EFSUMB Student Committee, as we wanted to include students more closely under the EFSUMB umbrella.*

*The Euroson congress is the absolute EFSUMB highlight of the year with an up-to-date program for science and education and it constitutes a vibrant, interdisciplinary meeting place for students, doctors, engineers, professors, sonographers, industry, practically all stakeholders of ultrasound. The 28th EUROSON congress in 2016 took place in Leipzig, Germany, and in 2017 the EFSUMB family met in Ljubljana, Slovenia, at its 29th Euroson Congress.”*

Bergen, March 2022

Professor of Internal Medicine and Gastroenterology, Chair of the Norwegian National Centre for Ultrasound in Gastroenterology (NCUG) at Haukeland University Hospital, Bergen (EFSUMB Ultrasound Learning Centre, 2014). He started his research career with publications on 3D-ultrasound and gastrointestinal ultrasound in 1993. Initiated the series EFSUMB Guidelines and Position Papers on gastrointestinal ultrasound (7 parts with 330 citations so far), More than 240 articles in peer reviewed scientific journals.



*Cheerful Faculty at the Euroson School in Riga 2015. Andreas Schuler (Germany, Co-President of the EUROSON Congress 2013 in Stuttgart, Germany; Christoph F. Dietrich, EFSUMB President 2013 – 2015; Maija Radzina, Latvia; Christian Nolsoe, EFSUMB President 2009 – 2011; Vito Cantisani, EPSC Chair; Odd Helge Gilja, EFSUMB President 2015 – 2017)*



*Impressions from the EUROSON Congresses in Leipzig 2016, and Ljubljana 2017*

*Top left: Prof. Luigi Bolondi (Italy) is receiving the award of Honorary Member of EFSUMB, 2016; Top right: Prof. Svein Ødegaard (Norway) is giving a lecture after receiving the honour of being EFSUMB Fellow, 2016. Bottom left: Odd Helge Gilja honors Prof. S. Eik-Nes (Norway) as a Honorary Member of EFSUMB. Bottom right: Prof. Lucas Greiner (Germany), founder of the Ultrasound Learning Area of EFSUMB at United Gastroenterology Week, is awarded EFSUMB Fellowship in 2017*

## Ultraschall in der Medizin

*European Journal of Ultrasound*



**Scan to view**



*Ultraschall in Med, 2022 Apr;43(3), Online ahead of print, doi: 10.1055/a-1790-0504*

“Ultraschall in der Medizin” (UiM) was founded in May 1980 as the official journal of the three German-speaking ultrasound societies. Since 2004 – now with the subtitle “European Journal of Ultrasound” (EJU) – UiM is the official scientific journal of EPSUMB. For many years, UiM/EJU has been the highest ranking interdisciplinary scientific ultrasound journal worldwide.



The first Issue of EJU published January 2004



Latest Issue of EJU published December 2021

## When the pictures learned to move ...

### *The Anniversary Ultrasound Quiz*

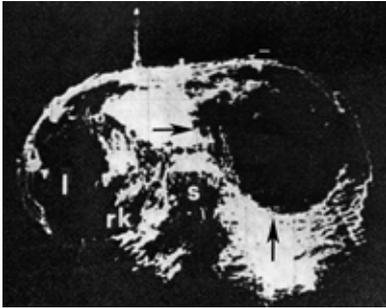
Step back in time to the early years of diagnostic ultrasound by participating in this historical ultrasound quiz! Not only can you gain new insights, but also these prizes:

- 1st Prize:** *Free registration to the 34th EUROSON Congress in Riga, Latvia (May 25-27, 2023)*
- 2nd Prize:** *A one-year free subscription to *Ultraschall in der Medizin/EJU* (donated by Thieme-Verlag Stuttgart)*
- 3rd Prize:** *The complete online second edition *EFSUMB European Ultrasound Course Book**



Please use the enclosed answer sheet and drop it into the box at the EFSUMB Booth!

*There are 16 multiple choice questions - questions are displayed in the booklet with the multiple choice answers available on the answer sheet.*



Case 1

Q1: Which structure is displayed (arrows)?

Q2: Which ultrasonic technique did Luigi Bolondi 1976 use to create this image?

*Multiple choices are displayed on the answer sheet*

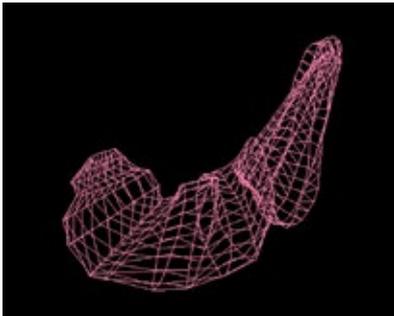


Case 2

Q3: Which organ and which pathology (arrows) are displayed?

Q4: What is the name of the ultrasonic technique used (EMISONIC 4200, late 70's)?

*Multiple choices are displayed on the answer sheet*

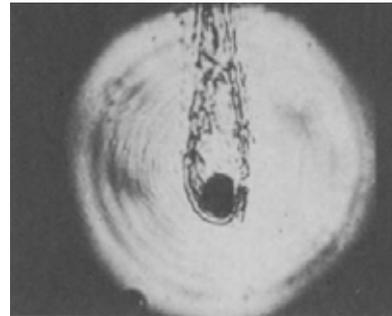


Case 3

Q5: Which organ is displayed?

Q6: How did Odd Helge Gilja create this image in 1997?

*Multiple choices are displayed on the answer sheet*



Case 4

Q7: Which pathology is shown?

Q8: Which ultrasonic technique was used by Byron B. Brenden to create this image in 1972?

*Multiple choices are displayed on the answer sheet*

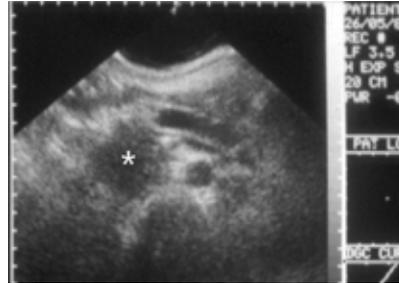


Case 5

Q9: What is shown in this image?

Q10: What is the name of the ultrasonic technique used in the early 1970's (Diasonograph EMI 4102)?

*Multiple choices are displayed on the answer sheet*

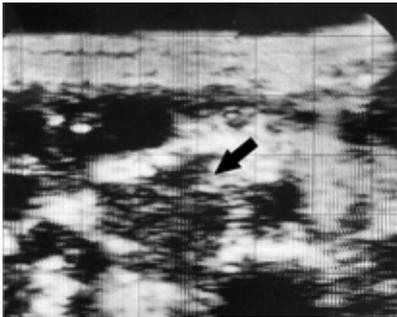


Case 6

Q11: Which pathological finding is displayed (\*)?

Q12: Which technique was applied to create this ultrasound image in 1981 by Harald Lutz?

*Multiple choices are displayed on the answer sheet*

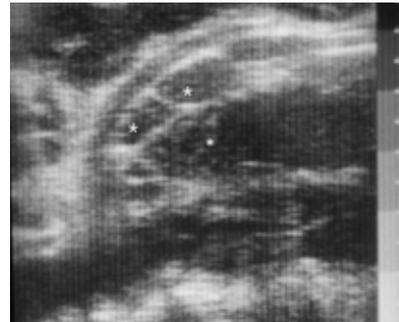


Case 7

Q13: Which pathological finding is diagnosed (arrow)?

Q14: Which new technique was first time applied with the Viduson 635 scanner in 1965? (Image: Harald Lutz, 1970's)

*Multiple choices are displayed on the answer sheet*



Case 8

Q15: Which pathological finding is displayed (\*)?

Q16: Which technique was applied to create this ultrasound image in the late 70's by Harald Lutz?

*Multiple choices are displayed on the answer sheet*



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