



INTERNATIONAL ACCREDITATION SYSTEM FOR
INTERVENTIONAL ONCOLOGY SERVICES

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INTERNATIONAL ACCREDITATION SYSTEM FOR
INTERVENTIONAL ONCOLOGY SERVICES

Quality merits recognition.



Overview:

- General Info
 - Interventional Oncology
 - Introduction to IASIOS
 - The CIRSE Standards of Quality Assurance in Interventional Oncology (IO)
- Details of IASIOS Accreditation
 - Key objectives
 - Benefits
 - Steering Board and Council
 - Current IASIOS Centres and testimonials



What is Interventional Oncology (IO)?

IO is the **fourth pillar** in modern cancer care that can provide minimally-invasive cancer treatments and palliative care for malignant conditions.

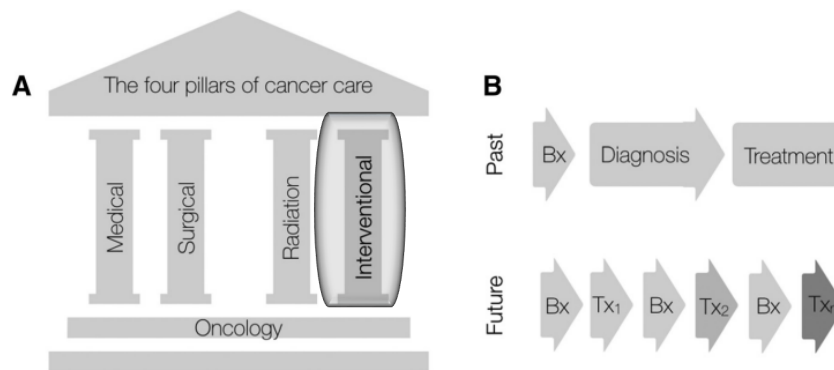


Figure 1. Interventional oncology plays a key role in integrated cancer care. **(A):** The four pillars of cancer care: medical oncology, surgical oncology, radiation oncology, and interventional oncology. **(B):** The old approach to intervention was largely linear (biopsy → diagnosis → treatment). The emerging promise of IO is one of multiple rebiopsies to optimize therapeutic approaches including interventions. Abbreviations: Bx, Biopsy; Tx, Treatment.



Why is IO important?

Plays an increasingly critical role in cancer treatment and potential curative methods

- Adjunctive procedures (e.g. portal vein embolization)
- Cancer diagnosis (e.g. biopsy)
- Cancer therapy (e.g. ablation or embolization)
- Cancer symptom palliation (e.g. nephrostomies or biliary drainages).

➡ **HOWEVER**, market research suggests that up to **95% of patients** eligible for image-guided therapy do not receive it (Sirtex Medical, written communication, September 25, 2015)



Why ?

- Lack of awareness of **IO therapies** among medical oncologists
- Lack of awareness of **interventional oncologists** among medical oncologists → 47% of community medical oncologists don't know an interventional oncologist (Sirtex Medical, written communication, September 25, 2015)
- Shortage of adequately **educated** interventional oncologists

Benefits of Interventional Oncology

- Access to life-saving **minimally-invasive and fast treatment**, particularly during the worldwide backlog of cancer cases caused by the pandemic
- A **highly effective** component in the therapy of primary and secondary malignant tumours, e.g. liver, lung, kidney, or bones
- Alternative option for **weak** or **elderly patients** and patients that are not good candidates for **anaesthesia**
- **Shorter** hospital stays, can often be performed as **outpatient** procedures
- Techniques **are less expensive** than equivalent surgical methods

Comparison Renal Mass Treatments Nephron-sparing Options			
	Open Partial Nephrectomy	Lap Partial Nephrectomy	Percutaneous Ablation
Length of hospital stay (days)	3	2	0-1 ✓
Recovery time (days)	33	12	2-4 ✓
Cost (\$)	\$26-32K	\$26-32K	\$8-12K ✓
Morbidity	16%	20%	4% ✓
Efficacy	>95%	>95%	>95%



What is IASIOS?

The only international accreditation system developed specifically for IO which offers:

- opportunity to be a worldwide leader and **gain global recognition for IO services**
- a reference frame for achieving the **highest standards of quality** assurance in IO
- guidance on **improving your IO service** line
- chance to **showcase achievements**
- an **international community** of IOs from the world's top hospitals working on continuously improving their IO service line, **benchmarking** with and **learning** from each other





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IASIOS awards seals of recognition to all participating centres



IASIOS Enrolled Centre

The Enrolled Centre seal is awarded when a facility registers with the IASIOS. It represents the facilities' dedication to providing high quality IO care and indicates that they are in the process of seeking IASIOS accreditation.



IASIOS Accredited Centre

The Accredited Centre seal is a testament to the high standard of IO care provided by a facility, in accordance with the CIRSE Standards of Quality Assurance in Interventional Oncology. This seal is awarded if a facility is compliant with all the core requirements listed on the IASIOS application form.



IASIOS Centre of Excellence

The Centre of Excellence seal represents the highest level of accreditation offered by IASIOS. It can only be awarded if a facility is compliant with all the core and extended requirements listed on the application form and has been an IASIOS Accredited Centre for a minimum of four years.



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Overview of IASIOS Accreditation

Step 1:
Facility registers



Step 2:
Facility becomes
IASIOS Enrolled
Centre



Step 3:
Facility submits
application



Step 4:
Application
is reviewed



Step 5:
Accreditation
granted



Step 6:
Re-certification or
application for Centre
of Excellence



The CIRSE Standards of Quality Assurance in IO

- Comprehensive QA document, published in 2018 by the Cardiovascular and Interventional Radiological Society of Europe (CIRSE)
- Endorsed by over 30 interventional radiology societies and the European Cancer Organisation (ECO)
- Set the Standards of Quality Assurance that safeguard patients and encourage good practice
- The Standards help increase the quality of care of cancer patients around the world
- Serves as the basis for evaluation for IASIOS Accreditation





The CIRSE Standards of Quality Assurance in IO

- Establish a gold standard along the entire patient pathway with the interventional oncologist as a primary clinical care provider
- Puts IO on the same standard as more established medical disciplines
- Looks at the whole process of patient care and treatment to establish better safety and efficiency of IO procedures
- Divided into three sections:
 - Staff and Facilities
 - Treatment Planning and Delivery
 - Safety and Quality

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The CIRSE Standards of Quality Assurance in IO

- IASIOS separates the standards into two parts:
 - **28 Core requirements** – needed to become an IASIOS Accredited Centre
 - **Extended requirements** – additional requirements to become an IASIOS Centre of Excellence
- At the end of each section is a list of **required evidence** to demonstrate compliance with the Standards

Commentary 1.3

The background education required for staff supporting interventional oncology is delivered through various routes for the different professional groups involved. The curricula involved vary across different centres.

Staff training and development is undertaken at most interventional oncology centres. Where this is done, there should be an agreed training plan which sets out what will be achieved and the competencies to be attained.

Supporting evidence

- core** → 1(a) Record that staff are appropriately registered/licensed to practise.
- extended** → 1(b) Records of regular performance review for individual staff, as kept in accordance with facility policy and/or professional requirements.
- core** → 1(c) Evidence of appropriate continuing professional development activities for individual staff members.
- extended** → 1(d) Evidence of appropriate facility development activity. This includes providing education, undertaking research and development, and improving services.
- core** → 1(e) Records listing:
 - The number of different types of therapeutic interventional oncology procedures per year, under the following headings:
 - Ablations
 - Radioembolisation
 - Chemoembolisation
 - Pain management
 - Musculoskeletal interventions
 - Other vascular oncology procedures
 - Other therapeutic procedures in cancer care
- core** → 1(f) Records of patient consultations (see glossary for definition).
- core** → 1(g) Records and analysis of mortality and locally specified complications.

Key Objectives

1 - Set Standards

The CIRSE Standards of Quality Assurance in Interventional Oncology

- Provide a robust and transparent evaluation process
- Provide a quality assurance recognition to participating institutions
- Sets a global standard of care along the entire patient pathway



Key Objectives

2 - Facilitate Progress

- Introduces a system that improves the standard of care
- Supports the further professional development of IO
- Provides career opportunities for IOs to join the IASIOS Council and team of assessors
- Has the potential to support funding and reduce cost through systematic organisation



Key Objectives

3 - Increase Awareness of IO

- Makes IO services more accessible to patients
- Increases understanding of IO services among other medical/clinical colleagues
- Supports greater communication and networking between all groups involved in the delivery of IO services



Key Objectives

4 – Establish a Community

- Facilitates connections between IOs from all over the world that are learning from each other
- Networking and mentorship opportunities
- Learning and training support and workshops for IOs and their teams from a worldwide network
- Benchmarking and comparing data and standards with other IASIOS enrolled centres





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Annual Membership Benefit Programme

- Career and professional development
 - at exclusive IASIOS-only events and meetings
- Networking, facilitating connections and mentorship
 - organised by IASIOS and within a global community of IOs
- Learning and training opportunities
 - for IOs and teams offered in addition to existing conferences and courses in IO
- Promotion, recognition and exposure
 - of your hospital, department, IOs and IO service line through IASIOS channels and partners
- Surveys and benchmarking
 - Exclusive opportunity to survey data and compare standards with other IASIOS enrolled centres



Benefits of IASIOS Accreditation

For your hospital:

- Improves and ensures more specialised oncology care
- Global recognition for IO achievements with a certification of quality from an international accreditation
- Supports funding and reduces costs by streamlining and standardising the patient pathway
- Quantifiable benchmarks for quality and patient safety
- Increases cooperation between administration, nurses, technicians, and doctors
- Improves the evaluation of doctors and their professional development





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Benefits of IASIOS Accreditation

For patients:

- Increases accessibility to IO procedures
- Enhances patient safety and satisfaction
- Strengthens patient-doctor relationships
- Patients increase feelings of security and satisfaction
- Increased quality assurance leads to less medical errors





Benefits of IASIOS Accreditation

For IOs and the discipline:

- Brings IO into mainstream cancer care
- Raises awareness of the profession to the general public and other medical specialties
- Provides IOs with the ability and means to prove their value and expertise as primary clinical providers
- Supports interdisciplinary understanding and communication
- Offers a guideline to support in advocating for more hospital resources
- Opportunities for professional development, networking events, seminars, and more
- Supports the global community of IO and accelerates the development of the discipline
- Assures safe and effective practice in IO worldwide by standardising practice



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IASIOS Steering Board and Committee

Efficient running of the system is ensured by the IASIOS Steering Board and is managed by the IASIOS Committee.

IASIOS Steering Board



Prof. Andy Adam
IASIOS Steering Board
Chairperson
(London, UK)



Prof. Afshin Gangi
IASIOS Steering Board
Member
(Strasbourg, France)



Prof. Lizbeth Kenny
IASIOS Steering Board
Member
(Brisbane, Australia)

IASIOS Committee



Dr. Jean Palussière
IASIOS Committee
Chairperson
(Bordeaux, France)



Dr. Miltiadis Krokidis
IASIOS Committee
Deputy Chairperson
(Athens, Greece)



Prof. Laura Crocetti
IASIOS Committee
Member
(Pisa, Italy)



Dr. Dimitrios Filippiadis
IASIOS Committee
Member
(Athens, Greece)



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IASIOS Council

International group of dedicated experts assess applications to determine a facility's suitability for accreditation and work under the governance of the IASIOS Committee



Dr. Roberto Luigi Cazzato
IASIOS Council Member
(Strasbourg University
Hospital, France)



Dr. Danny Cho
IASIOS Council Member
(Kwong Wah Hospital, Hong
Kong)



**Dr. Athanasios
Diamantopoulos**
IASIOS Council Member
(Guy's and St. Thomas's
Hospital, UK)



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IASIOS Council Member
(Anadolu Medical Centre,
Turkey)



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Hospital, France)



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(Johns Hopkins Hospital,
USA)



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IASIOS Council Member
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Prof. Robert Suh
IASIOS Council Member
(Ronald Reagan UCLA
Medical Center, USA)



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IASIOS Accredited Centre Media and Press

Anadolu Medical Center is one of the three oncology clinics in the world that have received accreditation in interventional oncology

07.00, 30.11.



Photo: Anadolu Medical Center

LUMC Leiden recognized for quality care for cancer patients

Written by Admin | September 16, 2021

To lead



Congratulations to **Leiden University Medical Center** on becoming the first Dutch facility to gain international certification in interventional oncology.

...see more



You and 224 others

29 comments



MONEY FM 89.3

ancer treatment

Health Suites: Interventional Oncology: The fo



Health Suites:
Interventional Oncology: The fourth
pillar of cancer
treatment

View description Share

Published Sep 29, 2021 9:49 AM



I-MED Radiology, The Wesley Hospital (QLD), is the first clinic in the Southern Hemisphere to have achieved IASIOS accreditation, recognising its highest standards for patient care in interventional oncology (IO) services.

Our Clinical Director, Dr Nicholas Brown (I-MED Radiology, The Wesley Hospital), sat down with **Interventional News** to discuss the significance of this global recognition. Learn more here <https://lnkd.in/e9AWuPy>

#InterventionalOncology #InternationallyAccredited #IASIOS #oncology



IASIOS accreditation at the Wesley | I-MED Radiology Network

from med.com.au • 1 min read

You and 55 others

2 comments • 2 shares

Quality Assurance

Wesley Hospital becomes first in Australia to achieve IASIOS accreditation in historic global milestone for CIRSE

Continued from page 1

Intervening, this landmark achievement means a respect that has come a full circle having ended in Australia. The IASIOS accreditation, through the College of Radiologists (IAIOS/CIRSE), through the IASIOS process, is a testament to the team's commitment to providing a set of standards for quality assurance in interventional oncology. The IASIOS accreditation is a testament to the team's commitment to providing a set of standards for quality assurance in interventional oncology. The IASIOS accreditation is a testament to the team's commitment to providing a set of standards for quality assurance in interventional oncology.

“IASIOS [...] provides an easy response to any outdated attitudes from colleagues who doubt the notion of IRs being true clinicians. If over we needed proof that IRs are clinicians and not just technicians, IASIOS provides it in abundance.”

“We're comprehensive and progressive, and the IASIOS accreditation gives us a seal of approval to ensure that our practice is benchmarked against the highest quality standard. IASIOS accreditation is the highest standard of care, and we're proud to adopt new and evolving technologies within a quality framework. Furthermore, it will provide confidence to patients and referral sites that our centre can be trusted to deliver the best possible care.”

The IASIOS award, in addition to being the highest level of accreditation, is a testament to the team's commitment to providing a set of standards for quality assurance in interventional oncology. The IASIOS accreditation is a testament to the team's commitment to providing a set of standards for quality assurance in interventional oncology. The IASIOS accreditation is a testament to the team's commitment to providing a set of standards for quality assurance in interventional oncology.

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September 2021 Issue 83

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Kantonsspital erhält wichtige Krebs-Zertifizierung

Spital, Kantonsspital, Kantonsspital Winterthur, Onkologie, Iasios

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IASIOS Accredited Centre Media and Press

Anadolu Medical Center will set standards in Interventional Oncology

Accreditation System for Interventional Oncology Services

Anadolu Medical Center became a member of the International Accreditation System for Interventional Oncology Services (IASIOS). Anadolu Medical Center thus obtained a voice in setting interventional oncology standards; it is one of the five authorized centers in the world that set the standards for accreditation in "interventional oncology."

Missions

Soins des patients

Afin d'assurer des soins et une prise en charge globale de qualité, l'Institut Bergonié compte plus de 1 000 employés. Il est doté d'un plateau technique répondant à tous les besoins de la cancérologie moderne et regroupe des équipements innovants et de dernière génération: tomothérapie, TEP-scanner, Intrabeam...

Pour répondre aux deux plans Cancer^[1], l'Institut Bergonié offre également d'autres soins dispensés par le CARE (département de Coordination Accompagnement Réhabilitation et Éducation). Cette équipe pluridisciplinaire accompagne les patients à tous les stades de la maladie et participe à l'organisation et la continuité des soins à domicile en lien avec le médecin traitant dans le cadre du réseau ville-hôpital.

En 2010, l'Institut Bergonié a été certifié^[2] sans réserve ni recommandation par la Haute Autorité de Santé. En 2020, la Radiologie Interventionnelle de l'Institut Bergonié a décroché le label du premier niveau de l'accréditation IASIOS.

ACCRÉDITATION IASIOS

Accueil / Accréditation IASIOS

L'unité d'imagerie interventionnelle des HUS a obtenu le label d'accréditation IASIOS (International Accreditation System for Interventional Oncology Services).
<https://www.iasios.org/>

C'est la première fois que ce label d'assurance qualité en oncologie interventionnelle est attribué à une unité interventionnelle en France.

Le label IASIOS est délivré par un organisme d'experts internationaux en imagerie interventionnelle.

Les HUS sont le deuxième centre au monde, à être récompensé par cette accréditation, après le « Guy's and St Thomas's Hospital, NHS Trust » de Londres (Royaume-Uni).

L'équipe du Professeur Gangi est fière de cette reconnaissance, qui récompense une dynamique de management de la qualité en place depuis de nombreuses années au sein du service.

L'ensemble des professionnels œuvre au quotidien au service des patients, afin de garantir des prestations répondant aux 13 chapitres de la norme (52 items), et pour lesquels les niveaux d'exigence ont été atteints.

Heilbronn-Franconia

Tumor center awarded for targeted tumor treatment

It was the first German center to be internationally certified. Precise interventions in cancer therapy are possible.

Still 9 free article this month.

RNOnline offers

02.09.2021, 6:00 a.m.



Radiology (LOE), tumor center, Klinikum am Gesundbrunnen, Klinikum am Plattenwald, Lung Clinic Löwenstein, SLK-Kliniken Heilbronn GmbH, July 14, 2021

Radiological-interventional oncology: precise interventions for targeted tumor treatment

< back

In addition to the proven methods of cancer therapy - surgery, chemotherapy and radiation - another option for treating malignant tumor tissue is becoming increasingly important: so-called interventional oncology. With the help of radiological imaging methods, targeted tumor tissue is treated using minimally invasive procedures. This brings many advantages. On the one hand, a very targeted therapy. This protects healthy tissue, leads to fewer side effects and pain and shortens the recovery time. On the other hand, the minimally invasive surgical method reduces the risks for patients that are generally associated with major surgery. In addition, such minimally invasive procedures usually only involve a short inpatient stay in the hospital - usually two days.

The Heilbronn-Franken Tumor Center in the SLK Clinic at Gesundbrunnen has been certified as a center for interventional oncology according to the international quality standards of the "International Accreditation System for Interventional Oncology Services" (IASIOS) since May of this year. Prof. Philippe Pereira, Director of the Center for Radiology, Minimally Invasive Therapies and Nuclear Medicine of the SLK network, says: "This special international certification certifies the extremely good cooperation between the oncological centers and radiology in the tumor center. This guarantees our patients minimally invasive therapies according to the highest quality standards with excellent treatment results."

The SLK clinics are one of currently only five centers worldwide - and the first in Germany - that have received this award and are certified according to IASIOS.

Further information on the certification criteria: www.iasios.org

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Testimonials and direct benefits



University Hospital Strasbourg, France

"We are thrilled to be the first centre in France to be awarded this internationally renowned quality assurance seal in interventional oncology, as well as being the second centre in the world to be certified! With IASIOS's focus on traceability, the Strasbourg team has increased the monitoring of several different clinical practices with the intent of improving the quality and safety of the provided clinical services."

- Prof Afshin Gangi, Cathy Kuber, Bernard Kopp, Dr Julien Garnon, Dr Julia Weiss, Dr Roberto Cazzato, Dr Jean Caudrelier, Celine Henninger



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Testimonials and direct benefits



Institute Bergonié, France

“The application has allowed us to improve the quality of our daily care and we are very enthusiastic to prepare the second step with the hope to become a centre of excellence within the next years. Thank you to IASIOS for promoting IO through a standardisation of our practice.”

- Prof J Palussière, S Enfedaque, F Boyer, F Gouze, F Lagurue, X Buy, V Catena.



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Testimonials and direct benefits



Singapore General Hospital, Singapore

"We are deeply honoured to receive IASIOS accreditation, which distinguishes our Interventional Oncology (IO) Services to be among the best in the world. This is a significant milestone for SGH and has further enhanced SGH's strong reputation of providing high-quality clinical care. IASIOS accreditation is a strong endorsement and recognition that our IO services is of high quality and meet rigorous international standards. This will be very reassuring to both our patients and referring clinicians."

-Dr Kiang Hiong Tay and team



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Testimonials and direct benefits



Kantonsspital Winterthur, Switzerland

“IASIOS has assisted our facility in adhering to the golden standards of patient care and provision. As the first internationally accredited IO facility in Switzerland, Kantonsspital Winterthur is at the forefront this evolving discipline.”

- Prof Christoph Binkert and team



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Testimonials and direct benefits



Guy's and St. Thomas' NHS Foundation Trust

"We are delighted to be among the first IO facilities to apply for this important and worthwhile accreditation! Ultimately, applying for IASIOS has led to the advancement of our IO facility by helping us analyse our service line and determine how to improve our delivery of high-quality IO care in accordance with the Standards of Quality Assurance document."

- Prof Andy Adam, Dr Shahzad Ilyas, Nicole Silva & Alison Pollard



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Testimonials and direct benefits



University Hospital Pisa, Italy

"We are extremely honoured and proud to be the first centre in Italy accredited for the Interventional Oncology service. We strongly believe in quality in patient care and pursuing the accreditation was of help in identifying where we had to improve and what we had already succeeded in. We are now aware our IO service is of high quality and meets rigorous international standards, and we are trying to understand where and how we can further improve. Quality for patient care is never enough."

- Dr Roberto Cioni, Dr Federica Del Cima, Dr Laura Crocetti and team



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Testimonials and direct benefits



SLK- Kliniken, Germany

"We are proud to be the first center in Germany to be certified by IASIOS. During the certification process we were able to further improve our already well-established IO workflows and make sure they are in line with the most recent national and international standards. With the help of IASIOS we are now able to coordinate and monitor our IO services even better to make sure every patient receives the best possible treatment and reaches the best individual clinical outcome."

- Gregor Gelbricht, Lisa Reese, Christian Mayer,
Ernst Hohenstein, Sina Speck, Tomislav Stavrovski,
Gabriele Löchner, Gunther Lemm, Philippe Pereira



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Testimonials and direct benefits



Anadolu Medical Centre, Turkey

"The process has improved our services in IO and has led us to build sustainable best-medicine practice in this field with the great help of IASIOS office. Thanks to IASIOS, we could move one step further while aiming for higher standards. Now, we all feel motivated to improve quality and safety standards in interventional oncology at Anadolu Medical Center, as one of the first accredited facilities in the world."

- Ozgur Celik, Murat Dokdok & Oktay Karadeniz



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Testimonials and direct benefits



Leiden University Medical Centre

"It is with great honour that we have received the IASIOS accreditation. The IASIOS team has been tremendously helpful in guiding us through the process. It has been a great learning process as the accreditation process gave us insight in those things that are well organized in our centre as well as the areas that need improvement. The IASIOS helps centres to go from good to excellent!"

-Dr Mark Burgmans and team



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Testimonials and direct benefits



The Wesley Hospital, Australia

"The Wesley Hospital is proud to have been the first centre in the Southern Hemisphere to achieve IASIOS accreditation. Thousands of interventional oncology procedures, both minor and major, are performed by the team at The Wesley Hospital each year. The IASIOS brand affirms the high quality service that the team provide to both patients and referrers, and we look forward to continuing to find new ways to promote the highest standards of patient care."

-Dr Nicholas Brown and team



Getting started

- Step 1** Read through and familiarise yourself with the Standards of Quality Assurance in Interventional Oncology
- Step 2** Once enrolled, log into your online myIASIOS area where you can access and read the Application Manual and go through the questions on the application form



Evaluate and Plan

- Step 3** Recruit team members to work on the application with you (tip: we highly recommend that you ask someone from your facility's Quality Assurance department – they likely have many of the answers already!)
- Step 4** Evaluate your facility's current standing regarding each of the core requirements



Process

- Step 5** Update policies and procedures as necessary
- Step 6** Implement improvements where needed



Re-evaluate

- Step 7** Assess your suitability for accreditation
- Step 8** Fill out the online application and conduct the internal case review. Go through the checklist of supporting evidence and ensure that your facility would be able to provide all documentation upon request.



Submit

- Step 9** Submit your completed application through the myIASIOS area. The application process takes most facilities 9-18 months.
- Step 10** Receive feedback or questions from the Assessors, providing additional clarifications or evidence where necessary.



Celebrate!

You will receive your Accreditation Status 8-12 weeks after all requested supporting evidence has been submitted. Celebrate your status as an IASIOS Accredited Centre!



Who is eligible to apply?

- Any medical facility providing IO services
- No restrictions on facility size
- No restrictions on facility location

How long does it take?

- Typically from 9 months, depending on your starting point
- There are no time constraints, you may remain an enrolled centre as long as you need while working towards the criteria

How much does it cost? General IASIOS Fees

Programme Enrolment Fees	EUR 5,000
Annual Membership Fees	EUR 7,500
Re-Certification (every four years)	EUR 2,500

Additional [FAQ's](#) are answered on the IASIOS website or by contacting the [IASIOS team](#)



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Thank you!

Contact: office@iasios.org

Website: www.iasios.org