

OSSIGENATEVI

Blog Magazine



The Magazine dedicated to the patients of
Hyperbaric Center of Ravenna





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Staff

Hyperbaric Centre of Ravenna



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Hyperbaric Centre



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Nurse



Nicola Fusetti
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Sofia Floravanti
Nurse



Paola Mengozzi
Physiotherapist



Alessandra Sasselli
Nurse



Gian Luca Baroni
Chief Technician of the
Ravenna Hyperbaric Centre



Jessica Turrone
Nurse

Oxygenate yourselves!

The Hyperbaric Centre Magazine



In 2010, the Hyperbaric Center of Ravenna started the blog experience: www.iperbaricoravennablog.it, for sharing requests, questions and stories of patients. The basic concept is that: often the solution to the problem of one could be the solution to problems of others.

In 2012 it was born Ossigenatevi! a tool for reading and preserving the most read articles on the blog.

After 5 years Ossigenatevi! update itself. We designed a modern graphic look and improved the variety of topics.

In this issue you can read: articles on updating and innovation about our care paths, our patients stories, notes and experiences about courses and conferences to which our doctors and nurses attended.

Who will be the patient of this number?

Discover it on the last page!

Fibromyalgia and hyperbaric oxygen therapy:

Dr Efrati's and his team study

Fibromyalgia is a chronic disease, debilitating and complex that compromises the 2-4% people's quality of life due to the generated pain. It can be accompanied by (and perhaps linked to) to other physical and mental conditions that include fatigue, cognitive deterioration, irritable colon syndrome and sleeping disorders. It is not a rare disease, it affects more than one and a half million people in Italy, especially women, without differences in age and in the latest years there are several associations and movements from below created to raise people's awareness on this disease.

A study carried out by Dr Shai Efrati and the team of the Sagol Center for Hyperbaric Medicine and Research presented in 2015 and published on Plos ONE, aimed at evaluating the effect of hyperbaric oxygen therapy (HBOT) on the symptoms and the cerebral activity in fibromyalgia syndrome.

More than 48 women with fibromyalgia completed 2 months of therapy with hyperbaric oxygen.

The study produced evidence that HBOT can improve symptoms and life quality of the patients affected by fibromyalgia. It also has produced evidence that it can cause neuroplasticity and significantly rectify the irregular

cerebral activities in areas linked to the fibromyalgia patients' pain.

At the recent EUBS 2017 Congress fibromyalgia and hyperbaric therapy raised a great debate. Dr Efrati, who took part to the Congress, explained in a brief interview that the problem of fibromyalgia is not where you feel pain, but in the brain, especially in the area whose task is to interpret pain.

Furthermore, he explained that people affected by fibromyalgia live like inside a virtual reality: they feel pain but they don't perceive it in a specific part of the body. Today it's not only possible to map these specific areas, but it is also possible to state that the 70% of fibromyalgia patients improve significantly thanks to HBOT.





Wound Care Centre

Giulio who suffers from chronic stasis dermatitis asks for some advice to our centre

Dear Dr Longobardi, Dear Staff,

I am almost 60 years old and I'm from Udine. I contact you hoping that you can give me an adequate response to my problems.

I'm affected by several diseases: chronic gout, obesity, chronic atrial fibrillation and I was diagnosed with stasis dermatitis of the lower limbs.

I tried several gentamicin creams, eosin solution, boric acid etc., but nothing changed. Today I find myself with both swollen and inflamed limbs. I am also affected by ulcers and terrible pain I wouldn't wish to anyone and also with abundant and embarrassing liquid loss.

I would like to know if you think that if I come to your centre I can improve my situation or I have to resign myself to live that way forever.

Can you please answer me? How much is the cost of your treatments? Is it possible to be covered by the Italian Health Service as I am unemployed?

Forgive me for talking about it so much.

Waiting for your reply,

Best regards,

Giulio



Claudia Rastelli answers

Good morning Giulio,

I'm so sorry for your problem.

In order to solve your legs problem, first, you should undergo an arteriovenous eco-doppler to study blood circulation in the lower limbs.

As far as what I can read in your question, I suspect it to be venous insufficiency and a lymphatic stasis that cause swollen, heavy and painful legs that leak fluid.

Were it the case, the ideal therapy would be the employment of elastic compression bandages with a pressure calculated on the basis of the Doppler echocardiography outcome, besides advanced medications specific for the wound condition.

Were the tissue liquids abundant, besides bandages, I would recommend you to undergo some lymph drainage massages that help your body to drain and to eliminate stagnant fluids.

At our Centre you might undergo the first visit to better define the wound and leg pain causes, to treat wounds depending on their characteristics and to choose bandages suitable for your clinical case.

The Centre is affiliated with the Italian National Health System. For more bureaucratic information, please do not hesitate to contact our centre at the +39 0544 500152.

I would like to point out that at our Centre we perform only outpatient treatment and not hospital admission.

Time and fast-paced dressings (whose frequency will be chosen according to your clinical condition) will be necessary.

Best regards,

Dr Claudia Rastelli

Dr. Claudia Rastelli

Doctor of the Ravenna Hyperbaric Centre and of the Wound Care Centre of the Ravenna Local USL Degree in Medicine and Surgery at the University of Ferrara Subscribed to the Medical Council of Rimini, Number 2074





Small wounds with liquid discharge: Gerardo asks for some advice

Good morning, I would need some information about a problem that affects my father, age 80. Nearly 16 years ago he was affected by a right leg deep vein thrombosis and he has been taking an anticoagulant drug since then. However, small wounds with liquid discharge have appeared since a couple of years. Moreover, at a later time, things worsened even though we consulted a lot of specialists in angiology and cardiovascular diseases. I would like to know if you could help me to solve this problem. I might also send you some pictures of it.

Thank you,
Gerardo



Alice Casadei answers

Dear Gerardo,

Thank you for sending us your question; I'm so sorry that your father is experiencing diseases due to this wound.

First of all, you did a good choice in speaking with a specialist in angiology: indeed, understanding underlying circulatory disorders is fundamental to decide the right wound treatment.

For this purpose, if you haven't already had one, I suggest that you take an arterial and venous eco-doppler. This exam allows us to understand if, besides a venous problem, arterial circulation is also compromised, which delays healing.

If eco-doppler has already ascertained that your father's problem is purely venous, the approach we employ at the Hyperbaric Centre of Ravenna is that of the compression bandage. Indeed, very often in venous origin ulcers, it is not sufficient to apply a local treatment because this doesn't prevent the excessive accumulation of liquid in legs, which leads to wounds.

The bandage helps venous return and must be customized according to the patient's characteristics. An active person who walks a lot, for example, is advised to use an anelastic bandage able to work while the person is moving and it is not so annoying at rest. For a patient who doesn't walk a lot, instead, it is better to use an adhesive compression bandage who is effective also at rest.

Besides this, in order to have an effective therapeutic plan, it is necessary to evaluate several factors, such as the patient's general state of health, the drugs it takes, other concomitant diseases and the nutritional state (obesity or malnutrition are an obstacle for healing). These checks are made at our centre during the first visit. I leave you the Secretariat's email to send us some pictures: segreteria@iperbaricoravenna.it

Thank you for your question. I hope I have been useful.

Alice



Alice Casadei

Nurse of the Wound Care Centre of the Hyperbaric Centre of Ravenna



Wound Care Centre

Osteonecrosis of the femur head: what are the solutions?

Good morning,
My name is Giustina and I'm affected by right femur head osteonecrosis but I also have a breast cancer metastasis treated by stereotactic surgery and medical therapy.
Do you think HBOT is suitable for me or are there any other solutions?

Thank you,
Giustina

Dr Andrea Galvani answers

Dear Giustina,
Thank you for writing us.
Your clinical picture peremptorily needs an accurate first visit and a careful analysis of all the medical documentation to classify the problem with the right prioritization and focus. In your specific case, the visit is extremely important in order to provide a good analysis of both the oncologic and orthopaedic situation.
If you want, you can send us an email with some medical report to allow us to have the first appraisal of maximum to the address: segreteria@iperbaricoravenna.it.
If there is an indication, as a general rule and for information, I must inform you that the standard protocol followed at our centre for the patients affected by aseptic osteonecrosis consists of nearly 30 sessions of HBOT at 2.5-2.2 ATA of pressure, a daily session of 90 minutes, five days per week.
Together with the visit for the HBOT pre-enrolment, at our Centre, the patients are also visited by our physiatrist who will deal with the possible prescription of the physical and rehabilitation therapy.
Furthermore, it is important to underline that not all the degrees of aseptic osteonecrosis have an indication for HBOT (just degrees I and II according to the STEINBERG classification).
For any further need, please do not hesitate to contact us.

Good luck,
Dr Andrea Galvani



Dr. Andrea Galvani
Degree in Medicine and Surgery at
the University of Bologna. Order of
Physicians of Rimini n. 02337





Heel wound caused by trauma and phlebitis: what to do

Good morning,

On May an iron ladder fell on my foot and the wound got infected. I'm currently treated at the University Hospital of Salerno, where I had 40 sessions of HBOT and I underwent a skin graft surgery. I'm currently affected by phlebitis and continuous pain in the wound. I'm thinking about moving to another hospital or at least to ask for another medical opinion.

Thank you,
Paolo



Sofia Fioravanti answers

Dear Paolo,

Thank you for contacting us.

Unfortunately, trauma wounds are very common and they often tend to become chronic; this is the reason why they have to be treated promptly.

The first step is certainly to treat phlebitis, which is the inflammation of a vein. Phlebitis is a potentially dangerous condition, because it may become thrombophlebitis and thus cause an embolism.

The treatment, prescribed by the doctor, usually involves the heparin administration and the use of elastic socks. Dressings are even more effective in terms of compression and they are useful for wound management. In order to give the right degree of compression, I would recommend, if you haven't done it yet, to undergo an arterial and venous eco-colour doppler of the lower limbs.

Now, let's speak about your wound. I'm so sorry for

your continuous pain, which certainly doesn't help wound healing.

Indeed, we can state that our brain establishes priorities: when it has to choose between pain control and tissue damage healing, our body will always opt for the first one. Pain can be managed by drugs prescribed by the doctor and by other therapies.

At our centre, for example, we employ FREMS treatment, a technology which consists of biocompatible electrical signals deriving from computerized neurostimulators administered through transcutaneous electrodes. FREMS is a valid alternative to drugs treatment and, in certain cases, it can prevent serious surgical operations. The cycle normally consists of 15 sessions, but the protocol to be followed is decided by the doctor during the visit.

Another treatment, which can help pain control and wound healing, is Klox treatment, which is photo bioluminescence, which employs the visible light capacity to trigger non-thermal and non-cytotoxic biological reactions.

The therapy involves the application of a gel that contains chromophores (they are a group of atoms responsible for the colour of a specific substance) and urea peroxide.

Once applied to the wound and on the perilesional skin, the gel is exposed to a non-coherent blue light emitted by a LED lamp placed 5 cm far from the wound.

The light exposure lasts 5 minutes, then the gel is removed and it is possible to apply the most useful medication and dressing. It's normally advisable to take one treatment per week for four weeks.

To contact us you can call the telephone number +39 0544 500152, or send an email to segreteria@iperbaricoravenna.it, by specifying that you come from outside the Emilia-Romagna region.

You will be called by a doctor to decide the treatment that better fits your needs.

Thank you for your trust.

Best regards,
Sofia Fioravanti

Sofia Fioravanti

Nurse of the Wound Care Centre of the Hyperbaric Centre of Ravenna





Wound Care Centre

Hip prosthesis infection: can HBOT be useful?

Good morning,
50 days ago I underwent a hip prosthesis surgery and I had my prosthesis removed due to a Staphylococcus aureus infection.
I have had an antibiotic treatment indicated by the antibiogram for 25 days.
Unfortunately, infection is stationary and the fact that some serous fluid comes out from the wound, impedes the wound to heal; moreover, tissues do not adhere well to the pseudo-prosthesis inserted.
Do you think HBOT can be useful for me?
Thanks



Klarida Hoxha answers

Dear Domenico, thank you for writing us.
I'm so sorry for your unpleasant situation. The most important thing is that you are now undergoing a targeted medical therapy. If, as you wrote, it doesn't answer adequately, it's then necessary to employ further therapies.

First, it is necessary to evaluate if there are compromising factors that concern healing, that is other diseases you are affected by (diabetes, hypertension, cardiopathies, rheumatic diseases etc.). If that were so, it's necessary to keep them balanced through various sector's specialists.

If the infection doesn't improve, it would be suitable to go to the Infectious disease specialist for further verification. A soft tissue ultrasound scan helps to understand if there are any bacteria collection and therefore to opt for the most suitable treatment, such as drainage.

As far as HBOT, it is an excellent ally to combat this type of infections, especially Staphylococcus aureus. Hyperbaric therapy has an effect on both infection and inflammation management, because it enhances the antibiotic effect, also as a preparation for a next surgery. It is also useful in the next healing repairing phase.

If you want to undergo the first visit, you can contact the Ravenna Hyperbaric Centre Secretariat by calling the telephone number +39 0544 500152

Best regards,
Klarida Hoxha

Klarida Hoxha

Head Nurse of the Ravenna
Local USL Wound Care Centre of
the Ravenna Hyperbaric Centre





Research and Partnership

Venous ulcers: a study on collagenase efficacy combined with hyaluronic acid to which the Ravenna Hyperbaric Centre took part

The Ravenna Hyperbaric Centre is once again at the forefront in the field of research, in this case on wound care treatment. Indeed, a study entitled "Enzymatic debridement: is HA-collagenase the right synergy? The Randomized double-blind controlled clinical trial in venous leg ulcers" has been recently published on the magazine "European Review for Medical and Pharmacological Sciences", which saw the participation of some of our patients and signed by the main experts of the sector among which our Medical Director Dr Pasquale Longobardi.

The organization of our Centre is followed by Dr Nedjoud Belkacem, by the Wound Care Nursing Staff coordinated by the Nurse Klarida Hoxha and by our Responsible for Human Resources, Andrea Rambelli.

The study's aim is to evaluate the efficacy and the security of a new unguent containing hyaluronic acid and collagenase deriving from a non-pathogenic bacterium called "Vibrio alginolyticus".

It consists of a multicentric, controlled double-blind test to show the superiority of this hyaluronic acid-collagen applied once a day with respect to placebo, which showed an average reduction of the necrotic tissue with abundant fibrin that detached 15 days after the treatment. 113 patients with venous ulcers have been taken charge and randomized to receive an active therapy or the placebo drug. Both groups received a compression therapy.

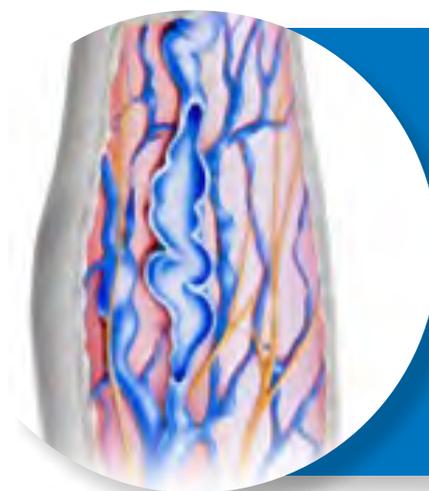
The patients were evaluated at the beginning and in four subsequent visits of study, up to a maximum of 30 days. The effectiveness evaluation is based on:

- The debridement average percentage (that is the necrotic tissue reduction and with abundant fibrin) evaluated by mapping
- Pain during the change of medication, measured through a pain visual scale
- Evaluation of the potential adverse/side effects

The results were of great level: after 15 days the debridement rate in the active group was of 67.5% with respect to 59% in the placebo group ($p=0.0436$).

A significantly greater number of patients in the treatment group reached the 100% debridement on day 15 ($p=0.0025$) compared with the control group and an even higher percentage showed a complete debridement in every other moment of control. Pain perception was similar in both groups, in particular, it was low during the entire period of prescription and no discrepancy was registered among the groups.

The study allowed to conclude that the treatment with this new hyaluronic acid compound and collagenase on the chronic venous ulcers determined a debridement rate significantly higher on day 15 compared to the rest of the group. Hyaluronic acid and collagenase were well tolerated and a low pain rate was perceived during the dressing removal. 0.2% of hyaluronic acid-collagenase shows great improvements in chronic ulcers management.





HBOT and Radiotherapy:

a collaboration between the Hospital Unit of Radiotherapy of the University-Hospital of Ferrara and the Department of Pathology, oncology and experimental medicine of the University of Ferrara and the Hyperbaric Centre of Ravenna.

By the end of August and the beginning of September, the Hyperbaric Centre hosted Professor Carlotta Giorgi, Dr Sonia Missiroli, Dr Mariasole Perrone and Dr Francesco Fiorica to perform healthy cells compression in the hyperbaric chamber that normally has the function to support the tumour growth.

We had a chat with him and Professor Giorgi of the Department of Pathology, Oncology and Experimental Medicine of the University of Ferrara on the research they carried out at our centre.

Dr Fiorica, can you tell us how the collaboration between you and the Ravenna Hyperbaric Centre came about?

We arrived at the Ravenna Hyperbaric Centre thanks to the direct professional collaboration between us and Dr Pasquale Longobardi. We have "real" patients that have been followed by the Hyperbaric Centre to treat damages caused by radiotherapy with good results.

Together with Dr Longobardi, in 2014 we organized a congress on radiotherapy toxicity management and on radiosensitivity increase that can derive from a combined use.

At the same time, there has been a collaboration between the Hospital Unit of Radiotherapy and the research group coordinated by Professor Giorgi of the Department of Pathology, Oncology and Experimental Medicine of the University of Ferrara, with important acquisitions on the cells behaviours after radiation.

Therefore, it became spontaneous to repeat the experiences acquired, by using hyperbaric therapy, with, I would say, great preliminary results.

Professor Giorgi, how the work was carried out at the Hyperbaric Centre and which results did you obtain?

The results are preliminary because we have just started and we expect to carry out other experiments to confirm the obtained data.

We treated in vitro cells (of mouse and man) with HBOT and then with radiotherapy; then we confronted them with the same cell cultures subject to radiotherapy.

Then we studied the activation of a specific inflammatory complex called inflammasome through the interleukin release. Preliminary data show that if we treat cells with HBOT before radiotherapy it is possible to prevent or reduce the inflammatory answer of the same radiotherapy, which we know it can be potentially harmful. For data validation, always in-vitro, we worked with co-cultures (healthy and sick cells) and we noticed that if we treat healthy cells only with radiotherapy, these produce signals that can induce growth in neoplastic cells. Conversely, if the same healthy cells are pre-treated with HBOT and then radiated, we can manage to stop this phenomenon. We suppose that this can be the basis of the major efficacy of radiotherapy proceeded by HBOT.

Dr Fiorica, what is the purpose of your study?

In clinical practice, there always have been results deriving from the association between radiotherapy and hyperbaric therapy and we always had an outcome with association improvement.

The main purpose is trying to understand why this happens and why it occurs in some patients and not in others. Moreover, the purpose is to understand, in the last analysis, why some tumours answer and others don't.

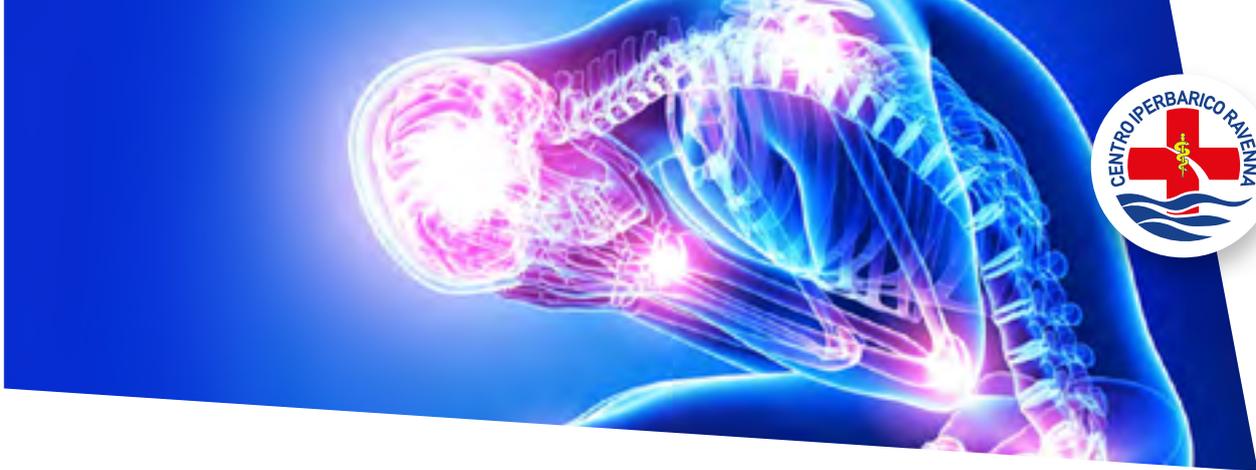
Classical radiobiology says that these different answers are linked to a tumour. However, we think that, and we are trying to carry forward this hypothesis, that a tumour contributes to it, but only in a certain way, because what affects it is the environment where a tumour grows.

We are trying to understand how the surrounding environment after HBOT and before radiotherapy changes.

At the moment, our experiences are only in vitro, according to the cellular mode, so we should switch to the animal model and only then, if the results were confirmed, we might go on with a study on man.

What changes with this new method you are testing?

The main change deals with the research of a radiotherapy optimization through treatment customization. Therefore, the right treatment, the right person, the right tumour and the right moment are the only conditions in tumour control and in toxicity decrease. All these experiences allow us to better understand biological mechanisms that are at the base of the answer to radiotherapy; this allows us to obtain a "guided by biology" radiotherapy and not only by technological progress.



The story of Nadia and her battle against fibromyalgia

Nadia is from the province of Padua. She is a young and strong woman that has been fighting against fibromyalgia for nearly 20 years. She would like to work but unfortunately, her condition forces her to be a housewife.

Despite everything, she never gave up and she always keeps herself updated about new treatments and new therapies for the treatment of this chronic and debilitating disease that has been affecting her life for a long time.

Nadia takes almost 2 hours and a half to reach our Centre, although her condition forces her to stop frequently during the journey.

Her perseverance and trust in therapy help her not to stop and always to go on with her head held high.

We had the opportunity to speak with Nadia to make her tell us how she lives with her disease and how she finds herself here at the Hyperbaric Centre.

Nadia, how come you arrived at the Ravenna Hyperbaric Centre?

I have been suffering from this chronic disease for more than 20 years. I underwent a lot of treatments both experimental and pharmacological but I didn't have great results. Unfortunately, I suffered a lot for the side-effects of these treatments, thus worsening my situation and increasing pain, in particular at the stomach, because I always took analgesics, sometimes very strong.

As I never managed to feel fine, I always kept myself updated about my disease and about the latest research for its treatment. One year and a half ago, by reading the recent discoveries about fibromyalgia, I bumped into a study by the Israeli Doctor Efrati, who spoke about HBOT efficacy in fibromyalgia treatment. I was struck by the research and I started to inform myself to know if it's possible to undertake this treatment in Italy.

I saw that they had started to use Dr Efrati's protocol in Ravenna and as I heard that some patients had a good experience at the Centre I wondered why not to try.

I had the first cycle of hyperbaric therapy at the Centre followed by Dr Belkacem. Since the very first time, I perceived changes: at the beginning, the chamber shook up pain, but I gradually perceived some improvements. Tiredness seemed to disappear. I realized that all the things I used to do with effort were easier, sleep was more relaxing and I slept more consecutive hours. Then pain diminished: it didn't

disappear, contracture is always there; nevertheless, for someone who has always been suffering, small but consistent improvement make him feel better.

How do you find yourself at the Hyperbaric Centre?

Very well. The Centre is my second house. I said it the first time I arrived here for the first cycle and I confirm it today that I'm undergoing the second HBOT cycle. Everyone is so good both professionally – which is a very important thing – and humanly: human warmth from the first to the last person who works inside the Centre, the Secretariat, Dr Longobardi, the nurses who follow you inside the chamber: it is something extraordinary. Here at the Centre you feel loved and accepted, both if you need a nurse because it's the first time you enter the chamber and you feel dazed, or if you need to speak with the Director, who despite all his tasks, is always available.

This year I came here with the awareness to go back home, like if I went to my brother's or my friends' house. This helps me to handle my condition more calmly.

Were you to tell someone the feeling you perceive when you enter the first time the hyperbaric chamber, what would you tell him?

The first time I entered with serenity, without the fear of news, thanks to those who told me how it is to enter the hyperbaric chamber and who cuddled and reassured me.

The first compression moment is certainly a brand new moment, sensations your body doesn't know, but you are always accompanied by hand by nurses, who help you how to act and to behave inside the chamber. In that moment, it's like if they were your guardian angels, who hold your hand and help you to overcome and understand the sensations you perceive.

Every time I see myself in those who enter the hyperbaric chamber for the first time, in their gazes, sometimes disoriented; it is important that those who undergo the chamber for the first time are followed step by step: it's like a kid on his first day at the kindergarten who needs to be accompanied. Inside the chamber, the nurse does the same with professionalism during all the therapy. He becomes your point of reference and support.

Now that I am at my second HBOT cycle, it's like if I were inside a videogame that I already know. I feel myself moving and at ease.

We thank Nadia for her testimony and we wish her good luck in her care treatment.



**SERVICES
LIST**
2016 / 2017

SERVICES LIST

DIVERS					
A9A	VISIT WITH THE MEDICAL DIRECTOR	€ 200.00	A5	DIVERS VISIT FOR CLINICAL QUESTION RESOLUTION	€ 100.00
A2	VISIT FOR COMPETITIVE SPORTS	€ 100.00	A6	TEST IN THE HYPERBARIC CHAMBER	€ 50.00
A3	VISIT FOR NON-COMPETITIVE SPORTS	€ 85.00	A20	SCIENTIFIC DIVER'S VISIT	€ 80.00
A4	SPORTS CHECK-UP	€ 70.00	B6	TEST OF SUITABILITY TO HBOT	€ 450.00
G2	ARTERIAL BLOOD GAS	€ 250.00	G4	BILATERAL TRANSCRANIAL DOPPLER	€ 270.00
G3	RIGHT-TO-LEFT SHUNT PATHWAY, PFO INCLUDED	€ 500.00	G5	PFO CHECK-UP	€ 350.00
G	PROFESSIONAL DIVER TECHNICIAN'S VISIT WITHOUT TEST IN CHAMBER	€ 200.00		PROFESSIONAL DIVER TECHNICIAN'S VISIT WITH TEST IN CHAMBER	€ 250.00
G6	BILATERAL TRANSCRANIAL DOPPLER FOR SHUNT	€ 150.00			

MEDICAL FITNESS TESTING					
A22	VISIT FOR COMPETITIVE SPORTS	€ 50.00	A24	VISIT FOR NON-COMPETITIVE SPORTS	€ 40.00
A23	VISIT FOR COMPETITIVE SPORTS OVER 40	€ 60.00			

REGENERATIVE MEDICINE					
A17	SPECIALIST VISIT	€ 120.00	B14	FILLER 1 PHIAL	€ 230.00
A18	CHECK-UP VISIT	€ 75.00		Each extra phial beyond the first	€ 180.00
B15	BOTULINUM THERAPY	€ 250.00	B49	BODY TREATMENT	€ 50.00
B17	PEELING PACKAGE	€ 400.00	B44	BIOREVITALIZING AESTHETIC TREATMENT	€ 650.00
B61	PEELING (single)	€ 80.00	B45	BIOREVITALIZING AESTHETIC RECALL TREATMENT	€ 220.00
B16	BIO-REVITALIZING THERAPY	€ 120.00	B22	MESOTHERAPY	€ 50.00
B42	TRICHOLOGICAL-AESTHETIC PRP/AUTOLOGOUS PLATELET-RICH PLASMA	€ 400.00	B58	5 MESOTHERAPIES PACKAGE	€ 220.00
B70	5TPs PATHWAY – MESOTHERAPIES/LYMPH DRAINAGE	€ 420.00	B59	10 MESOTHERAPIES PACKAGE	€ 420.00
B71	10 TP _s PATHWAY – MESOTHERAPIES/LYMPH DRAINAGE	€ 800.00			

PODOLOGY					
Y11	PODOLOGY TREATMENT -1	€ 25.00	Y12	BS NAIL RE-EDUCATION	€ 50.00
Y	PODOLOGY TREATMENT – 2	€ 30.00	Y4	VERRUCA TREATMENT	€ 20.00
Y1	PODOLOGY TREATMENT – 3	€ 40.00	Y3	ONYCHOCRYPTOSIS	€ 60.00
Y2	PODOLOGY TREATMENT -4	€ 50.00	Y5	NAILS RE-EDUCATION – 1 NAIL	€ 75.00
Y6	NAILS RE-EDUCATION – 2 NAILS	€ 130.00	Y7	SMALL SILICONE PROSTHESIS	€ 25.00
Y8	MEDIUM SILICONE PROSTHESIS	€ 35.00	Y9	LARGE SILICONE PROSTHESIS	€ 45.00

OTHER					
5	MEDICAL REPORT COPY (+VAT)	€ 25.00	A13	PHYSICAL THERAPIES INSIDE THE HYPERBARIC CHAMBER	€ 50.00
A14	EVALUATION AND POSTURAL TREATMENT	€ 65.00	A16	PHYSICAL THERAPIES OUTSIDE THE HYPERBARIC CHAMBER	€ 45.00
A15	PHYSIOTHERAPEUTIC MESSAGES TREATMENT	€ 65.00	A21	PHYSICAL THERAPIES OUTSIDE THE HYPERBARIC CHAMBER - 30 MINUTES	€ 30.00
B54	GENETIC TEST – 2 EXAMS	€ 130.00	B46	ASSISTED EDUCATION WITH ANIMALS	€ 35.00
B13	SPEECH THERAPY	€ 40.00	B55	GENETIC TEST – 7 EXAMS	€ 240.00

SERVICES LIST

B9	TAPING	€ 25.00	A43	BREATH THERAPY	€ 19.00
B67	LASETHERAPY	€ 26.00	B7	LYMPH DRAINAGE	€ 55.00
B66	LASERTHERAPY	€ 32.00	B43	LYMPH DRAINAGE PACKAGE	€ 500.00

MEDICAL TESTING

A9	VISIT WITH THE MEDICAL DIRECTOR	€ 200.00	A1	CHECK-UP	€ 75.00
A	MEDICAL SPECIALIST VISIT	€ 120.00	A1	NEUROLOGICAL CHECK-UP	€ 75.00
A	NEUROLOGICAL VISIT	€ 120.00	A19	NURSE CHECK-UP AFTER DISCHARGE	€ 35.00
A39	NUTRITION VISIT	€ 130.00	A25	PSYCHOTHERAPEUTIC VISIT	€ 50.00
A40	NUTRITION CHECK-UP	€ 50.00	A38	PRIVATE CHECK-UP	€ 40.00
A41	NUTRITION MAP	€ 110.00	A11	PHYSIATRIST CONSULTANCY – 1 INSTRUMENTAL EXAM	€ 150.00
A10	PHYSIATRIST VISIT	€ 120.00	A12	PHYSIATRIST CONSULTANCY – 2 INSTRUMENTAL EXAMS	€ 180.00
A42	PHYSIATRIST CHECK-UP	€ 75.00	B34	ANGIOLOGY-PHLEBOLOGY VISIT WITH ECOCOLORDOPPLER	€ 180.00
B38	STRESS-RELATED METABOLIC DISORDERS PATHWAY	€ 220.00	B35	ECOCOLORDOPPLER CHECK-UP	€ 60.00
B37	1 MONTH STRESS-RELATED METABOLIC DISORDERS CHECK-UP	€ 110.00	B48	TREATMENT – NEURAL THERAPY	€ 90.00
B47	VISIT – NEURAL THERAPY	€ 120.00			

HYPERBARIC OXYGEN THERAPY

45	HYPERBARIC OXYGEN THERAPY	€ 95.00	L	HBOT TREATMENT TO THE PATIENT ON A STRETCHER	€ 190.00
46	HBOT CHILDBIRTH PREPARATION	€ 95.00	C1	THERAPY OF EXCLUSIVE USE OF THE HYPERBARIC CHAMBER WITH RESUSCITATOR	€ 750.00
R	HBOT OF PARTICULAR COMMITMENT	€ 550.00	S	THERAPY OF MORE THAN 3 HOURS	€ 200.00
D1	WAITING BED	€ 8.00	47	HBOT WITH DEDICATED OPERATOR	€ 130.00
T	HYPERBARIC CHAMBER ASSISTANCE	€ 55.00			

MEDICATIONS - INSTRUMENTAL EXAMS

O	COMPLEX MEDICATION	€ 30.00	O	OXIMETRY	€ 25.00
37	PRESSURE THERAPY	€ 25.00	B11	EARWAX REMOVAL	€ 25.00
4A	NEGATIVE PRESSURE THERAPY	€ 95.00	B12	SINGLE-USE PORTABLE NEGATIVE PRESSURE THERAPY	€ 400.00
44A	LASER DOPPLER TO UPPER AND LOWER LIMBS	€ 30.00	B2	PLASTER CAST APPLICATION	€ 40.00
52	NEUROSTIMULATION	€ 38.00	E	SIMPLE MEDICATION	€ 15.00
B1	INSTRUMENTAL CLEANSING WOUNDS FOR LIMB	€ 100.00	J2	INTRAMUSCULAR INJECTION	€ 5.00
E	SIMPLE MEDICATION	€ 15.00	W2	ANKLE-FOOT ZINK-GLUE WRAP	€ 35.00
1	SINGLE ECOCOLORDOPPLER	€ 100.00	W3	LEG-FOOT ZINK-GLUE WRAP	€ 75.00
	venous and arterial ecocolor Doppler	€ 150.00	B20	DRUG INFILTRATION	€ 40.00
B50	10 MEDICATIONS PACKAGE PRESSURE THERAPY 1	€ 400.00	B68	HYALURONAL INFILTRATION	€ 50.00
B51	10 MEDICATIONS PACKAGE PRESSURE THERAPY 2	€ 700.00	B62	PHOTO-BIOLUMINESCENCE TREATMENT 1 DOSE	€ 55.00
B52	10 MEDICATIONS PACKAGE PRESSURE THERAPY 1	€ 450.00	B63	PHOTO-BIOLUMINESCENCE TREATMENT 1 DOSES	€ 95.00
B53	10 MEDICATIONS PACKAGE PRESSURE THERAPY 2	€ 800.00	B64	PHOTO-BIOLUMINESCENCE TREATMENT 3 DOSES	€ 135.00
B56	MUSCULOSKELETAL ULTRASOUND	€ 70.00	B65	PHOTO-BIOLUMINESCENCE TREATMENT 4 DOSES	€ 175.00



THE PATIENT OF THIS NUMBER

Paride, a friendly scuba diver underwent the right-left shunt pathway here at the Centre and Dr Longobardi has given the OK to diving.

We are happy with this good news. Have a good diving experience!



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