

EDITORIAL	NEWS	SCIENTIFIC EVENTS	REVIEW OF LITERATURE		LINKS	PREVIOUS NEWSLETTER
			SCOLIOSIS JOURNAL	OTHER SOURCES		

EDITORIAL:
SOSORT'S PRESIDENT: Dr. Theodoros B. Grivas, M.D.

Sunday, May 04, 2008

Dear colleagues,

I would like to express my gratitude to all of you for entrusting me with the position of the president of *International Society On Scoliosis Orthopaedic and Rehabilitation Treatment* (SOSORT) for 2008.

Since its earliest steps after its Founding meeting, in Barcelona, January 23 - 24 , 2004, SOSORT has developed to a vibrant society. The founding aim of uniting specialists in orthopaedics and/or rehabilitation, as well as physiotherapists and other medical professionals dealing with spinal disorders, is now realized. Patients and their families are also welcome to cooperate with SOSORT.

To date the Society has organized five successful meetings, during which its status has been formulated and a number of committees have emerged, (Education Committee, SOSORT Book Committee, Membership Committee, Brace Committee, Research Committee, Scientific Committee, Newsletter Committee, Literature Committee, Ethics Committee, Travelling fellowship Committee, Consensus Committee).

It has today its own Medline-indexed/tracked scientific journal, "Scoliosis", while its first Instructional Course Lecture (ICL) Book has been published. Moreover, a number of consensus papers have been discussed and published in our journal. SOSORT's publications effort goes on with the collaboration with other well-known journals like "Disability and Rehabilitation" for more focused on conservative scoliosis treatment articles.

The above mentioned activities of SOSORT have as their ultimate goal the promotion of the important idea of proper conservative treatment of scoliosis. SOSORT's vision is the reemergence of the conservative treatment, which is at any rate necessary when indicated, and which was in some way over the last decades disregarded for the favor of surgery.

A major achievement of the society was the establishment of active cooperation with other relevant Societies, some of which with slightly different treatment-wise orientation, but all with the common aim of providing proper care to our patients. The president of Scoliosis Research Society is now a regular attendee of our meetings, see figure 1.



Figure 1. Dr Theodoros B. Grivas with SRS president Dr George H. Thompson photographed in an Athens 2008 SOSORT Meeting interval.

Another encouraging fact is that, although SOSORT emerged from Western European settings, it has spread internationally to include in this moment many countries worldwide. This was evident in our previous 2008 Athens meeting, where scientific papers and lectures from delegates coming from 21 countries were presented.

The economy of the Society is now becoming able at least to defray the publication of the two best (one clinical and one research) presented papers in "Scoliosis" journal.

As for our future plans, the Lyon meeting, due in May 2009, is expected to be a new milestone in SOSORT's educational, scientific, research and further activities. The flawless organization of this meeting by its Chairman Jean-Claude De Mauroy, a hint of which is already available on the meeting's website, is anticipated to be successful and fully conforming to our expectations.

Looking forward to seeing you all of in the beautiful city of Lyon next spring.

Kind regards,

Dr. Theodoros B. Grivas, M.D.
SOSORT 2008 President

Dr Theodoros B. Grivas, MD

Orthopaedic and Spinal Surgeon
2008 SOSORT President, 2008 IRSSD President, "Scoliosis" Deputy Editor
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[NEWS:](#)

5th SOSORT MEETING IN ATHENS 3 – 5 April 2008 by Dr. T. B. Grivas, M.D.

THE COMMITTEES

5th SOSORT MEETING IN ATHENS 3 – 5 April 2008

The preparation of the 5th SOSORT Meeting started immediately after the very successful 4th SOSORT Meeting at Boston, USA, May 13th – 16th, 2007 adjourned.

Endless e-mails were exchanged among the board members, the organizing bureau and the chairman of the meeting, organizing all the issues concerning this event.

The **meeting organizing committee:**

Chairman: Manuel Rigo (Spain)

Members: Tomasz Kotwicki (Poland)

Theodoros B. Grivas (Greece)

Stefano Negrini (Italy)

Elias Vasiliadis (Greece)

Hans-Rudolf Weiss (Germany)

Tamar Neuhaus (Israel)

Joe P. O'Brien (USA)

Toru Maruyama (Japan)

Jean Claude de Mauroy (France)

Athens, a city with a mild climate provided the ideal background for this meeting and an opportunity to experience the Greek taste of life.

The Eugenidou Foundation with its totally renewed congress centre conveniently located half way between the Piraeus port and the centre of Athens was a proper congress location, and the hotel hosting the majority of the participants was right next door to it.

SOSORT 2008 Board MEETING, April 2nd 2008.

The activities of the congress commenced with the Board meeting, held at the Metropolitan Hotel, at 2 of April 2008. A number of items were discussed in the agenda of this meeting and then a nice city tour, Figure 1, with the members of our family and a fine fish food dinner by the sea at Piraeus completed the day.



Figure 1. The SOSORT board members with some members of their families on the Acropolis, in front of the east part of the Parthenon.

REGISTRATIONS

At the meeting there were 156 registrations. The number of participants by status:

MEMBERS	31
NON-MEMBERS	80
NON-CLINICALS	05

ACCOMPANYING PERSONS	08
DAILY REGISTRATIONS	21
INVITED	02
RESIDENTS	09

The number of participants by country of origin:

Albania	1
Algeria	1
Austria	4
Australia	1
Canada	4
China	1
Cyprus	4
Czech Rep.	1
Estonia	2
France	5
FYROM	1
Germany	10
Greece	57
Hong Kong	1
Israel	8
Italy	6
Japan	3
Taiwan	1
The Netherlands	4
Poland	7
Portugal	2
Romania	2
Spain	4
Ukraine	4
U.K.	13
U.S.A.	9

The Program of the meeting provided a unique opportunity for anyone interested in the conservative management of scoliosis and related spinal deformities. The participants learned about the current state of the art of conservative care from scientific and clinical experts around the world.

A good number of non-SOSORT-member attendees took the opportunity to apply for SOSORT membership as well.

SUBMITTED ABSTRACTS

The number of submitted abstracts was 78 from all over the world.

THE EVALUATION OF ABSTRACTS

The abstracts were evaluated to a scale from 5 (lowest) to 25 (highest). The reviewers gave a score on the following characteristics of each abstract: **Originality, Scientific merit – Value, clinical relevance, clarity, Compliance to morphology** (each abstract ought to be structured using the topics: background - introduction, method-materials, results, discussion-conclusions). For each of these characteristics each reviewer gave a score between 1 and 5. Totally for each abstract a score between 5 and 25 could be given in support of reviewer's decision on the quality of the submitted abstract. Also the reviewer could indicate if the abstract was suitable for oral or poster presentation. Abstracts that received a grade above 13 were presented orally while the ones graded under 13 were presented as posters. The highest grade given to an abstract was 21.4 while the lowest was 9.5. Finally there were 71 oral and 7 posters presentations.

The number of abstracts submitted by country:

Austria	1	
Canada		4
China	2	
Czech Rep.	1	
France	1	
Germany	8	
Greece	11	
India	1	
Israel	1	
Italy	14	
Japan	2	
Poland	9	
Portugal	1	
Romania	1	
Spain	4	
Taiwan		3
The Netherlands	5	
Turkey	1	
Ukraine	3	
U.K.	1	
U.S.A.	4	

Four out of the 78 submitted abstracts were not presented.

LECTURES

At the congress, 21 lectures were given by 17 lecturers in total. There was also one consensus paper.

INVITED SPEAKERS

At the congress, there were two (2) invited speakers. Professor **Richard Geoffrey Burwell, MD FRCS**, Emeritus Professor, School of Biomedical Sciences, University of Nottingham, UK
Honorary Consultant, The Centre for Spinal Studies, and Surgery, Queen's Medical, Centre and **Dr. George H. Thompson, MD** Professor, Orthopaedic, Surgery and Pediatrics Case Western Reserve, University. Director, Pediatric Orthopaedics. Rainbow Babies and Children's Hospital, Cleveland, Ohio President of the Scoliosis Research Society, Editor of the Journal of Pediatric Orthopaedics, and the Past-President of the Pediatric Orthopaedic Society of North America and the Ohio Orthopaedic Society.

DEMONSTRATION SESSIONS

Throughout the congress, 6 demonstration sessions on braces and physiotherapy for scoliosis, took place.

1st SOSORT Instructional Course Lectures Book.

An important step in the development of this society was a new IOS Press Publication, the 1st SOSORT Instructional Course Lectures Book. (Volume 135 Studies in Health Technology and Informatics, Edited by T.B. Grivas, March 2008, 440 pp., hardcover, ISBN: 978-1-58603-842-7), figure 2. This book was prepared well advance the meeting and was distributed in all the meeting attendees.

<http://www.booksonline.iospress.nl/Content/View.aspx?piid=8606>

This is the first of a series of Instructional Course Lectures (ICL) Books of the **I**nternational **S**ociety **O**n **S**coliosis **O**rthopaedic and **R**ehabilitation **T**reatment (SOSORT). In the contents of this book the reader can find the SOSORT Statutes and become familiar with the aims of the creation of this society. This will hopefully be the initiation of a series of books on conservative scoliosis treatment and a valuable library for SOSORT. The philosophy of the commencement of such ICL book series is the achievements of an ultimate aim, the improvement of early detection and non operative treatment of the patient care pathway for scoliosis. For this endeavour, a number of eminent

clinicians and scientists around the world, who are devoted and high-quality students of scoliosis, involved and contributed with their fabulous work. There is no doubt that this book is not able to cover every aspect on the issue. However the future volumes of this series of books will continuously complete the latest relevant knowledge. In this volume there are chapters reporting on various aspects of the current state of the following topics: IS aetiology, recent trends on scoliosis research, genetics, prevention – school screening, various methods of physiotherapy, various types of braces, the inclusion criteria for conservative treatment, together with the SOSORT guidelines for conservative treatment, clinical evaluation and classification, study of the surface after brace application and outcomes for each brace.

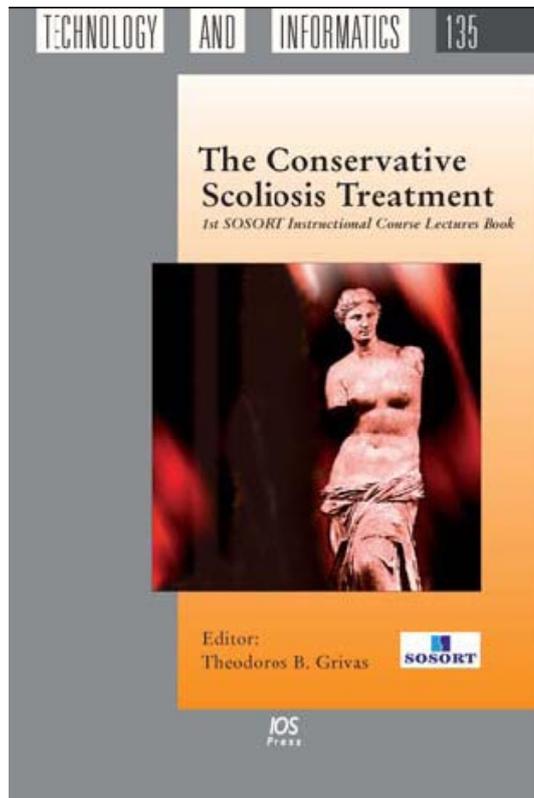


Figure 2: front page of the 1st SOSORT ICL book.

SOSORT Business Meeting

All the discussed and prepared issues in the Board were finally presented in the Business meeting. Dr T. Kotwicki, was unanimously elected the new society's President-Elect, Joe P. O'Brien treasurer and Elias Vasiliadis member.

The **Welcome reception** and the **Gala Dinner** took place in a friendly and relaxing atmosphere giving the opportunity to old friendships to expand and new ones to be created.

Paper award.

One research and one clinical paper were selected. The award will be the free publication of these papers in our Journal "Scoliosis".

The two papers were:

1. **Trunk asymmetry in normal juveniles**, by

Theodoros B. Grivas, Elias S. Vasiliadis, Constantinos Mihas, Christina Maziotou, Georgios Triantafyllopoulos, Panagiotis Alexandropoulos, and

2. **Exercises during brace weaning can reduce loss of correction in Adolescent Idiopathic Scoliosis (AIS) patients** by Fabio Zaina, Stefano Negrini, Salvatore Atanasio, Michele Romano

ACKNOWLEDGMENT OF THE MEETING SPONSORS

The Organizing Committee would like to thank the following Sponsors for their valued support: BIOMAGNETIC LTD, BIOMET HELLAS S.A., IAMEX MEDICAL PRODUCTS S.A., LEO PHARMA HELLAS LTD, MEDICAL DEVELOPMENT S.A., MEDIFIELD LTD, MICROFORCE ELECTRONIC, NEUROVISION

S.A., ORTHOMEDICAL S.A., PFIZER HELLAS S.A., PHARMANEL S.A., PROTAL MED LTD, VAMVAS MEDICALS



Figure 3. Some of the attendees of the 5th Athens SOSORT Meeting, in the amphitheater of Eugeniou Foundation.

Sincerely yours,

Dr Theodoros B. Grivas, MD
Chairman of the 5th SOSORT Meeting

THE COMMITTEES

As our President explain us before from our Society have emerged eleven Committees which aims and rules are:

- **Aims of the Committees**

1. Help in developing SOSORT aims
2. Involving more people in the life of the Society
3. Allowing to develop the new leadership for the future of SOSORT

- **General rules**

1. The Committees refer directly to the Board, and for each Committee there is one member of the Board as coordinator (while they can be chaired also by people not in the Board).
2. The Chair is the referent of the Committee, the coordinator just verify what's going on for the Board, and can be or not an active member of the Committee itself.
3. The Committees cannot act independently from the Board, nor they represent in any way the Society.
4. Committees can meet according to their needs and develop any mean to work together according to what needed.
5. Results of Committees works must be referred at each Assembly of the Society, and must be spread through the Newsletter and the Web Site once approved by the Board.
6. Generally speaking we should have 2 to 3 people involved in each Committee.

7. One person ideally should participate only to one Committee; anyway the rule should be no more than two positions in the SOSORT (Board and Committee included)

The resultant Committees' documents are exposed in the following lines:

Education Committee

Chair: Manuel Rigo
Coordinator: President of SOSORT

- **Definition:**

A group of SOSORT members, approved by the SOSORT board, to make decisions or to deal with the particular subject of 'education'.

- **Membership:**

Any member of the SOSORT is welcome to collaborate in this committee.

- **Objectives:**

The objectives of this committee are clearly defined in the SOSORT statutes. The statutes of the SOSORT declares in its article 4:

'- The general aim of the society is:

*First, to foster the best conservative management – early detection, prevention, care, **education** and information - of scoliosis and other spinal deformities.'*

Later, in its point 4.5 specify that one of the aims of the society is:

*'To promote specific **education and training** among professionals creating a body of specialists in this particular area, able to care efficiently for scoliosis patients.'*

- **Tools and protocols:**

This point should be discussed in detail by the first formed committee. Some previous ideas are:

Local courses: .

International courses, seminars, symposiums, etc under the support of the SOSORT.

Education session offered during the annual meeting.

The edition of an international 'white book'.

Fellowships

- **Actions, documents and deadlines:**

The approved committee will produce an official document to show and explain its future actions by July 2008.

- **Financing:**

The members of the committee will look for financing in the same SOSORT as well as in different sponsors like: other scientific societies, governmental organizations, private companies and private persons.

Book Committee

Chair: Theodoros Grivas
Coordinator: President of SOSORT

- Aim of the Committee Publication of the SOSORT ICL Book
- People needed (maximum and minimum), and eventual roles (To be discussed, any volunteer welcomed)
- How to work together (Discussions during the SOSORT meetings and via e-mail during the rest of the year)

- **The aim of an ICL book**

- **Time of publication**

It is more possibly every two years. It is not expected to have new topics and new material (serious production) more frequently. It does not sound reasonable!

- **Material**

The inclusion of all the educational lectures delivered at each scientific meeting. In such a book could also be published the new wisdom or the review on a topic.

- **Who could contribute.**

Any experienced on the topic member or a no-member of our society can be contribute. The members have a priority. Invited Speakers' lectures as well as the Round Tables organized during the Sosort Meetings can be published.

- **The thematic inclusion**

This depends upon our needs or suggestions. We can publish on only one specific topic or on a group of topics. There is no limitation.

- **The format of the contribution.**

Reviews, personal experience condensed and included in a review or the outcome of a specific study casting light on a topic. The committee is open on any other suggestion from the members.

- **The publisher.**

IOS press is a suitable publisher, completing a number of advantages. It has the capacity to distribute our work worldwide due to their network, there is an online publication of the book, their produced books are very elegant, and finally and most important the material is Medline tracked and indexed. Also we have a good relationship with them, as we have published till now two books with them.

It is good for economical reasons as well because the publisher is taking the responsibility of the cost of the publication. Buying a number of books the unit cost is very much economical. There will be no conflict situation with our journal - Scoliosis - because the journal is always most interested in research papers, which are best counted for scientific evaluation of a journal.

Membership committee

Chair: Fabio Zaina

Coordinator: Secretary of SOSORT

- **Aim of the Committee:**

To verify curricula and credentials of SOSORT members and define their position. The committee will define active, associated, supportive and honorary members. Moreover, the committee will promote SOSORT among all those who have been publishing about scoliosis conservative treatment on indexed journals.

- **People needed (maximum and minimum), and eventual roles**

Minimum 2 - maximum 3. One of these should be the committee referent (chair), report about the work done and decisions taken to the President and the Secretary.

- **How to work together**

By email contact. The committee could prepare a grill to fill in with information about SOSORT members. On the base of credentials 4 lists will be prepared (active, associated, supportive and honorary members). The referent will report the lists to the board for approval, and then inform each single member about his/her position.

One member should perform a medline in order to find authors engaged in scoliosis conservative treatment and invite them to join SOSORT.

- **Action to be performed**

1. Retrieve from the secretary a complete list of members and an updated version of their curricula.
2. Prepare a table of requirements on the base of SOSORT statutes.
3. Fill in the table
4. Prepare 4 lists of members according to requirements
5. Report the lists to the President and the Secretary for approval
6. Inform each member about his/her actual status
7. Verify every year curricula and credentials before SOSORT annual meeting
8. Present members lists for the President approval at SOSORT annual meeting
9. Inform each member about his/her actual status.
10. Perform a medline search for authors every 3 months.
11. Invite authors to join SOSORT.

- **Timing of these actions**

Within the 30th April for point 1

Within the 20th of May for point 2-3

Within the 30th of May for point 4-5

Within 15 days after the President approval for point 6

Within the 15th of March every year for point 7

At least 10 days before the meeting for points 8-9

- **First aims to be reached, and time required**

Point 1-6, within 3 months after Athens meeting

Clinical Committee

Chair: Stefano Negrini

Coordinator: President of SOSORT

- **Aim of the Committee**

Following the clinical developments of the conservative treatment (bracing, exercises and evaluation), give the adjourned guidelines, solve the problem of nomenclature and terminology, define the minimum clinical requirements according to the literature.

- **People needed (maximum and minimum), and eventual roles**

Chair

3 components (1 physio, 1 orthotist, 1 physician)

- **How to work together**

By email, and through a Committee Meeting during SOSORT Meeting

- **Action to be performed**

Development of new evidence guidelines to be proposed for SOSORT Consensus

Definition of correct terminology about bracing and exercises

Definition of the evaluation tools (minimal and extended set) to be considered for clinical studies and everyday clinics in bracing and exercises

- **Timing of these actions**

Continuous development

- **First aims to be reached, and time required**

To be defined in the first meeting.

Scientific, Research & Consensus Committee

Chairs: Tomasz Kotwicki, Jacek Durmala, Toru Maruyama
Coordinator: Next President of SOSORT

- **Aim of the Committee**

To undertake actions aiming in the improvement of the quality of the conservative treatment currently being in practise.

- **People needed** (maximum and minimum), and eventual roles

Chair – T. Kotwicki

Members – J. Durmala, T. Maruyama, HR Weiss,

- **Working together**

By emails, and through the Committee Meeting during the SOSORT Meeting

- **Issues being currently addressed**

Consensus sessions in conservative scoliosis treatment (Negrini)

Development and updating of the SOSORT guidelines (Weiss)

Prospective brace study (Kotwicki)

Standards of brace manufacturing and clinical use (Negrini)

Nomenclature of braces (Negrini)

Theories of brace action over the scoliotic curve (Rigo)

Prognosis of the outcome (Landauer)

- **Timing of these actions**

Continuous SOSORT activity

Newsletter committee

Chairs: Mònica Villagrasa, Fabio Zaina
Coordinator: Secretary of SOSORT

- **Aim of the Committee:**

To inform SOSORT members about events and news about SOSORT and what's going on in the field of scoliosis conservative treatment

- **People needed, and eventual roles.**

Minimum 2 - maximum 3. One of these should be the committee referent (chair), report about the work done and decisions taken to the President and the Secretary.

- **How to work together**

By email contact and audio-video conference (Skype)

- **The Newsletter will be organized as follows:**

1.- Editorial, which introduces the trimestral newsletter with a interview to an important or renamed person talking about his/her knowledge about the conservative treatment (eg: Cheneau, Lerner-Schroth...) or specialists related to the scoliosis world: Physicians, Orthopedics , PTs, Osteopaths, Psychologists, Surgeons and Biologists; which expose their present view of the treatment, detection or whatever of the scoliosis (not just the IS, also other kind of scoliosis).

Or expose some Sosort members' opinion.

2.- News of the Sosort: Section about internal news of the society and what the society is

doing for members, memberships advantages and initiatives

3.- Scientific Events (which include courses and meetings) related to Scoliosis conservative treatment and EBM in the field.

4.- Review of Literature, with a special interest on Scoliosis (the journal)

5.- Previous Newsletter links

6.- Link to SOSORT website and other interesting websides referred to conservative treatment or that are working on the topic (Physicians, Orthopedics , PTs, Osteopaths, Psychologists, Surgeons and Biologists)

7.- E-mail contact to accept suggestions

- **Action to be performed**

1. One member should keep in contact with the secretary of the board and collect informations about news, events and whatever is going on and could be of interest. He should also retrieve informations about meetings dealing with scoliosis treatment.

2. Another one should systematically review what has been published about scoliosis conservative treatment.

3. A third member will make an interview to an expert of scoliosis treatment and look for interesting sites about scoliosis

The newsletter should be sent to all members and all the people that wish to subscribe to a mailing list on SOSORT website quaterly per year. SOSORT webmaster should prepare a link for mailing list subscription. Moreover a copy of every newsletter should be available online.

- **Timing of these actions**

Within the 30th April for point 1-2 for Newsletter 1-2008

Within the 20th of May the Newsletter 1-2008 should be ready and sent to members

Within the 30th of May the Newsletter should appear on the website.

Within the 15th of September for point 1-2 for Newsletter 2-2008

Within the 30th of September the Newsletter 2-2008 should be ready and sent to members

Within the 30th of November for point 1-2 for Newsletter 3-2008

Within the 15th of December the newsletter 3-2008 should be ready and sent to members

For 2009, Newsletter will be sent on March, June, September and December.

First aims to be reached, and time required

First Newsletter within May

Ethic Committee

Chair: Tamar Neuhous

Coordinator: President of SOSORT

- **Foreword**

The uniqueness of our organization is cooperation of several professions in different academic degrees from different countries, specially with patients organizations. This multidisciplinary form of Sosort can give us hard and long work but on the ether hand it will raise the issue to a high level. We will take into consideration

The internal ethical code of each group.

To find our original code for mutual organization work.

For example:

We can have a rule which the benefit of the patient is preferred in any case although professional competition is legitimate but is done with integrity and cooperation as consultations when needed.

- **Aims of the committee**

Determent rules of moral and ethical relations inside the different disciplines and among them, in work and research.

To be a committee of arbitration in any complain or problem about ethics.

- **People needed**

Around 5 persons: a patient, 2 medical doctors (surgeon and rehabilitator), orthotist and

physiotherapist from different countries if possible.

- **Action to be performed**

Every committee member will write a questioner about internal ethics in his professional group. The committee will approve and it will be send to the members of the group. according to the answers and another information the committee member of the group will determine rules of the group.

The committee will get those rules and compose an ethical document of Sosort.

The committee will meet in the next conference and decide about the proposal of the ethical code of Sosort. This code will be distribute among all Sosort members asking them to approve/comment. The committee will collect all the responses and according to that, formulate the final ethical code of Sosort.

The committee will work through email and meetings in the conference (as it seams now).

For the first aim we need 4-5 months, to finish the 4 aim I assume a year and a half.

Web Site Committee

Chair: Elias Vasiliadis
Coordinator: Secretary of SOSORT

- **Aim of the Committee**

Updating the SOSORT web page and posting all the relevant documents suggested or approved by the Board or the General Assembly.

Advertising promptly SOSORT meetings, courses, fellowships etc.

Posting the society's Newsletter on the web page.

Collecting information of SOSORT members, regarding professional activities and special interests in conservative treatment of spinal deformities as well as their contact details and posting them on the web page after obtaining their consent.

- **People needed** (maximum and minimum), and eventual roles

Chair

1-2 components

- **How to work together**

By email, and through a Committee Meeting during SOSORT Meeting.

- **Action to be performed**

Select all the new contents of the web page after approval of the Board.

Organize the new contents of the web page in hierarchical order.

- **Timing of these actions**

Two to three months to collect all available documents.

- **First aims to be reached, and time required**

Communication with the administrators who maintain the web page.

Investigate if it is possible for the members of the committee to interact with the contents of the Web page.

PEOPLE INTERESTED IN BEING PART OF ANY OF THESE COMMITTEES CAN CONTACT WITH US.

SCIENTIFIC EVENTS:

6th SOSORT MEETING. LYON, May 20th-23rd, 2009. by Dr. Jean Claude de Mauroy

OTHERS:

- [7th International Research Society of Spinal Deformities \(IRSSD\), Liverpool, July 9-12 2008.](#)
- [Scoliosis Research Society 43rd Annual Meeting, Salt Lake City, September 10-13 2008](#)

6th SOSORT MEETING. LYON 2009



The SIRER (*International Society of Research and Studies on the Spine*) is pleased to organise the 6th International Conference on Conservative Management of Spinal Deformities which will be held in Lyon, France, from the 20th to the 23rd of May, 2009 at the Palais des Congrès – Cité Internationale de Lyon, under the Honorary Presidency of Pr Jean Felix Dubousset.

Lyon is the town of Nicolas Andry inventor of the "Orthopaedy" and of its symbol: the tree torso.

The Palais des Congrès is ideally located in the city centre, along the Rhone and the rosery of the Parc de la tête d'or. Near the Palais des Congrès we have two hotels: the Hilton and the Hôtel de la Cité.

Wednesday the 20th, the Committee meetings, the board meeting and the Welcome cocktail will take place at the Clinique du Parc, on the other side of the Parc de la tête d'Or.

Thursday the 21st, the Educational session the consensus and the terminology sessions will be devoted to Conservative Orthopaedic Treatment of Kyphosis. The lectures will constitute a special issue of the review "European Spinal Resonances" published by the SIRER which will be given to all the participants.

Friday the 22nd, evening the gala dinner will take place at Paul Bocuse.

Saturday the 23rd, morning, the participants will be divided into 3 historical Sites of scoliosis in Lyon for the workshops:

- The Lecante Group for the orthotics,
- The Clinique du Parc for the plastered casts
- The Centre des Massues for Physiotherapy.

Information is updated regularly on the Internet site of the Congress. (www.sosort-lyon.net) We recommend to create an account and to consult it regularly. Now you can fill out the consensus online on the Orthopedic Conservative Treatment of juvenile and adolescent kyphosis.

Looking forward to seeing you in Lyon!



Jean Claude de Mauroy

REVIEW OF LITERATURE:

SCOLIOSIS JOURNAL Update (January-April 2008):

Reviews:

["Using a synthesis of the research literature related to the aetiology of adolescent idiopathic scoliosis to provide ideas on future directions for success"](#)

Keith M Bagnall

There is no doubt that people are working hard in this area of research but this review has deliberately attempted to question its achievements and future directions.

Researches:

[Acupuncture in the treatment of scoliosis – a single blind controlled pilot study](#)

Hans-Rudolf Weiss, Silvia Bohr, Anja Jahnke, Sandra Pleines

One session with real (verum) acupuncture seems to have an influence on the deformity of scoliosis patients with no more than 35 degrees. The findings during verum acupuncture clearly are different to sham acupuncture or just lying, while in the whole group of patients also including patients with curvatures of more than 35 degrees no obvious changes have been found. The results of this study justify further investigation of the effect of acupuncture in the treatment of patients with scoliosis.

["Trunk rotation and hip joint range of rotation in adolescent girls with idiopathic scoliosis: does the "dinner plate" turn asymmetrically ?"](#)

Tomasz Kotwicki, Agata Walczak and Andrzej Szulc

One session with real (verum) acupuncture seems to have an influence on the deformity of scoliosis patients with no more than 35 degrees. The findings during verum acupuncture clearly are different to sham acupuncture or just lying, while in the whole group of patients also including patients with curvatures of more than 35 degrees no obvious changes have been found. The results of this study justify further investigation of the effect of acupuncture in the treatment of patients with scoliosis.

["Manual therapy as a conservative treatment for adolescent idiopathic scoliosis: a systematic review"](#)

Michele Romano and Stefano Negrini

The lack of any kind of serious scientific data does not allow us to draw any conclusion on the efficacy of manual therapy as an efficacious technique for the treatment of Adolescent idiopathic scoliosis.

["The vertebral body growth plate in scoliosis: a primary disturbance of growth?"](#)

Gregory Day, Kieran Frawley, Gael Phillips, I Bruce McPhee, Robert Labrom, Geoffrey Askin and Peter Mueller

This study demonstrated MR image abnormalities of scoliotic vertebral body growth plates compared to controls. A qualitative relationship was demonstrated between MR imaging and histological abnormalities. The finding that vertebral body growth plate deficiencies occurred both on the convex and concave sides of the spine, closest to the apical vertebra of the scoliosis curve, implied that they are less likely to be the result of adaptive changes to the physical forces involved in the scoliotic deformity. One explanation is that they represent a primary disturbance of growth.

ALL TIME TOP 10 MOST ACCESED ARTICLES

1. Physical exercises in the treatment of idiopathic scoliosis at risk of brace treatment – SOSORT consensus paper 2005

Hans-Rudolf Weiss, Stefano Negrini, Martha C Hawes, Manuel Rigo, Tomasz Kotwicki, Theodoros B Grivas, Toru Maruyama, members of the SOSORT

2. Adolescent idiopathic scoliosis: natural history and long term treatment effects

Marc A Asher, Douglas C Burton

3. Indications for conservative management of scoliosis (guidelines)

SOSORT guideline committee, Hans-Rudolf Weiss, Stefano Negrini, Manuel Rigo, Tomasz Kotwicki, Martha C Hawes, Theodoros B Grivas, Toru Maruyama, Franz Landauer

4. The transformation of spinal curvature into spinal deformity: pathological processes and implications for treatment

Martha C Hawes, Joseph P O'Brien

5. Painful rib hump: a new clinical sign for detecting intraspinal rib displacement in scoliosis due to neurofibromatosis

Andreas Gkiokas, Socratis Hadzimichalis, Elias Vasiliadis, Marina Katsalouli, Georgios Kannas

6. A retrospective study of twenty-three adults treated for scoliosis using the Spinecor Orthosis

Gary Deutchman, Marc Lamantia, Joseph Indelacato, Marianna Raykhman

7. Biomechanical spinal growth modulation and progressive adolescent scoliosis – a test of the 'vicious cycle' pathogenetic hypothesis: Summary of an electronic focus group debate of the IBSE

Ian AF Stokes, R Geoffrey Burwell, Peter H Dangerfield

8. Melatonin the "light of night" in human biology and adolescent idiopathic scoliosis

Theodoros B Grivas, Olga D Savvidou

9. Correction effects of the ScolioLogiC® „Chêneau light" brace in patients with scoliosis

Hans-Rudolf Weiss, Mario Werkmann, Carola Stephan

10. The experience of brace treatment in children/adolescents with scoliosis

Despina Sapountzi-Krepia, Maria Psychogiou, Darin Peterson, Vassiliki Zafiri, Eugenia Iordanopoulou, Fotini Michailidou, Anastassios Christodoulou

Medline – Pubmed:

[Influence of idiopathic scoliosis on three-dimensional thoracic growth.](#)

Charles YP, Diméglis A, Marcoul M, Bourgin JF, Marcoul A, Bozonnat MC.

CONCLUSION: The thoracic deformity in scoliosis is measurable with ORTEN, but scoliosis ≤ 45 degrees with a rib hump ≤ 25 mm does not significantly influence thoracic volume. Thoracic parameters should be related to sitting height rather than age. Established relationships give a reliable indication of thoracic proportions, which are useful for understanding global spinal and thoracic deformity and for optimizing braces or surgical strategies. Further investigations are required for curves > 45 degrees, leading to major thoracic asymmetry.

[Adolescent idiopathic scoliosis.](#)

Weinstein SL, Dolan LA, Cheng JC, Danielsson A, Morcuende JA.

Adolescent idiopathic scoliosis (AIS) affects 1-3% of children in the at-risk population of those aged 10-16 years. The aetiopathogenesis of this disorder remains unknown, with misinformation about its natural history. Non-surgical treatments are aimed to reduce the number of operations by preventing curve progression. Although bracing and physiotherapy are common treatments in much of the world, their effectiveness has never been rigorously assessed. Technological advances have

much improved the ability of surgeons to safely correct the deformity while maintaining sagittal and coronal balance. However, we do not have long-term results of these changing surgical treatments. Much has yet to be learned about the general health, quality of life, and self-image of both treated and untreated patients with AIS.

[Adolescent idiopathic scoliosis patients report increased pain at five years compared with two years after surgical treatment.](#)

Upasani VV, Caltoun C, Petcharaporn M, Bastrom TP, Pawelek JB, Betz RR, Clements DH, Lenke LG, Lowe TG, Newton PO.

CONCLUSION: There was a statistically significant increase in reported pain from 2 to 5 years after surgical treatment; however, the etiology of worsening pain scores could not be elucidated. Given continued patient satisfaction, the clinical relevance of this small reduction remains unknown. Nevertheless, this observation deserves further evaluation and must be considered in relation to the natural history of this disease.

[Juvenile idiopathic scoliosis: the effectiveness of part-time bracing.](#)

Jarvis J, Garbedian S, Swamy G.

CONCLUSION: Part-time bracing in JIS is successful and is better than the natural history.

[The internal pressure and stress environment of the scoliotic intervertebral disc--a review.](#)

Meir A, McNally DS, Fairbank JC, Jones D, Urban JP.

Evidence suggests that the stress environment of the scoliotic disc is abnormal, probably generated by high and asymmetrical loading of non-muscular origin. If present in the scoliotic spine during daily activities, this could generate a positive feedback of cellular changes, resulting in curve progression. Future advances in understanding may rely on the development of computer models owing to the difficulties of in-vivo invasive measurements.

Disability and Rehabilitation Special Issue:

The journal Disability and Rehabilitation has published a Special Issue about Scoliosis assessment and conservative treatment. Here it is the list of included papers.

[Approach to scoliosis changed due to causes other than evidence: Patients call for conservative \(rehabilitation\) experts to join in team orthopedic surgeons.](#)

Negrini S.

[Evaluation of scoliosis today: Examination, X-rays and beyond.](#)

Kotwicki T.

[What a school screening program could contribute in clinical research of idiopathic scoliosis aetiology.](#)

Grivas TB, Vasiliadis E, Savvidou OD, Triantafyllopoulos G.

[Neurophysiological basis of rehabilitation of adolescent idiopathic scoliosis.](#)

Smania N, Picelli A, Romano M, Negrini S.

[Exercises reduce the progression rate of adolescent idiopathic scoliosis: Results of a comprehensive systematic review of the literature.](#)

Negrini S, Fusco C, Minozzi S, Atanasio S, Zaina F, Romano M.

[Bracing adolescent idiopathic scoliosis: A systematic review of the literature of effective conservative treatment looking for end results 5 years after weaning.](#)

Maruyama T.

[Conservative management of neuromuscular scoliosis: Personal experience and review of literature.](#)

Kotwicki T, Jozwiak M.

[Adolescent Idiopathic Scoliosis \(AIS\) - an indication for surgery? A systematic review of the literature.](#)

Weiss HR.

[A century of spine surgery: What can patients expect?](#)

Hawes MC, O'Brien JP.

LINKS :

Scientific Societies

www.sosort.org
www.sosort-lyon.net
www.spine.org
www.srs.org
www.liv.ac.uk/HumanAnatomy/phd/bss/bss.html
www.bsrp.co.uk
www.gss.it
www.gis.it
<http://www.boa.ac.uk>

Patients associations

www.escoliosis.org
www.scoliosis.org
www.sauk.org.uk
www.scoliosis-assoc.org
www.scoliosis-info-forum.de
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