

Society on Scoliosis Orthopedic and Rehabilitation Treatment

~

4th International Conference on

Conservative Management of Spinal Deformities



CONFERENCE PROGRAM



MAY 13 – 16, 2007 NORTHEASTERN UNIVERSITY BOSTON, MA ~ USA







May 13th - 16th, 2007 Boston, MA, USA

WELCOME

We are pleased to invite all researchers, medical and health care professionals, and patients interested in conservative management of scoliosis and related spinal deformities to join us in Boston to explore all aspects of this field. Well known clinical and scientific experts from around the globe will present the current state of the art for conservative care of scoliosis patients. This is an unprecedented opportunity to learn what is available and why it is so important.

Conference Chairpersons,



Local Organizer Joseph P. O'Brien, M.B.A. President, CEO, & Patient National Scoliosis Foundation. Boston, USA



Education Session Chair

Manuel Rigo, MD Elena Salva Institute, Spain

President of SOSORT

Scientific Program Chair Martha C. Hawes, Ph.D. University of Arizona, USA Author, Scoliosis & the Human Spine



Division Of Plant Pathology & Microbiology



Consensus II Chair Tomasz Kotwicki, MD, PhD Pediatric Orthopedic Surgeon, University of Medical Sciences Poznan, Poland

Consensus I Chair Theodoros B. Grivas, MD Orthopedic and Spinal Surgeon, Thriasio General Hospital, Greece

SOSORT

The Study Group on Scoliosis Orthopedic and Rehabilitation Treatment (SOSORT) was born in 2004 in Barcelona as a group to foster research and favor the exchange of ideas among researchers and clinicians with expertise in the conservative treatment of spinal deformities. It started because of the international absence of a group interested in this topic, due to the gradual shift of the orthopedic community toward surgery, involving also the Scientific Societies and Journals of the field. Coming together with a greater interest from the world of rehabilitation, today there is a need of a serious scientific group to develop new research and to have a forum for new ideas: this is SOSORT.





May 13th - 16th, 2007 Boston, MA, USA

CONFERENCE PROGRAM*

INDEX

- 1. Sunday May 13th ~ Education Session: Conservative Management of IS: State of the Art
- 2. Sunday, May 13th ~ Scientific Program ~ Interactive Posters & Social Reception
- 3. Monday, May 14th ~ Scientific Program ~ Sessions 2 & 3
- 4. Tuesday, May 15th ~ Scientific Program ~ Sessions 4 & 5
- 5. <u>Tuesday, May 15th</u> ~ Consensus: *I. School Screening & II. Outcome Measures* <u>Wednesday, May 16th</u> ~ Clinic Day: *Scoliosis Bracing Concepts, Construction, & Certification*
- 6. Registration Form
- 7. Hotel Accommodations
- 8. Hotel & Conference Facility Location Map
- 9. Conference Facility ~ Northeastern University Campus Map
- 10. Overview of Boston, MA, USA
- 11. Things to Do in Boston
- 12. Getting Around Boston
- 13. Invitation to Conference

Registration will be open Saturday, May 12th @ 10am to 6pm and Sunday - Tuesday, May 13th @ 7am to 6pm

COUNTRY FLAGS OF THE CONFERENCE FACULTY









May 13th - 16th, 2007 Boston, MA, USA

Education Session: Conservative Management of IS: 'State of the Art'

Sunday, May 13, 2007

Chairman: Manuel Rigo, MD

- 8:00 Opening of the Meeting: J.P. O'Brien, MBA President & Patient National Scoliosis Foundation
- 8:10 Opening of the Session: M. Rigo, MD President SOSORT
- 8:20 T. Kotwicki, MD, PhD: 'The three-dimensional nature of Idiopathic Scoliosis'.
- 8:40 I. Stokes, PhD: 'The Vicious Cycle concept'
- 9:00 T. Maruyama, MD: 'Short and long term objectives of conservative management of IS'.
- 9:10 T.B. Grivas, MD: 'Indications for non surgical treatment based on natural history'.
- 9:20 M. Hawes, PhD: 'The use of exercises in the treatment of scoliosis. An evidence-based critical review of the literature.'
- 9:40 Discussion: Moderator: M.Rigo, MD
- 10:00 Break
- 10:20 M. Bialek, M.Sc, PhD, PT: 'Functional Individual Therapy of Scoliosis-FITS'
- 10:35 S. Negrini, MD: 'SEAS-06'
- 10:45 M. Rigo, MD: 'Schroth Method'
- 11:00 H.R. Weiss, MD: 'Physiologic exercises and 3D exercises made easy.'
- 11:10 Discussion: Moderator T. Neuhaus, PT
- 11:30 Presidential Guest Speaker: G. Thompson, MD President Scoliosis Research Society: 'Bracing in the USA and the SRS inclusion and assessment criteria for future bracing studies'.
- 11:50 S. Negrini, MD: 'The Lyon School and derivates- SPoRT- in the treatment of IS'
- 12:10 H.R. Weiss, MD: 'The Chêneau brace and derivates in the treatment of IS'
- 12:30 C.H. Rivard, MD: 'Dynamic Tension Bracing'
- 12:40 Discussion: Moderator T.B. Grivas, MD
- 12:50 Keynote Speaker: K. Bagnall, B.Ed, M.Sc, PhD
 - President International Research Society on Spinal Deformity: 'The Aetiology of AIS'
- 1:20 Discussion: Moderator M. Hawes, PhD
- 1:30-**Lunch**
- 2:30- Demonstration Sessions:
 - 1. A. Hennes, PT and H.R. Weiss, MD: Physiologic exercises and '3-D exercises made easy'
 - 2. M. Villagrasa, PT and the American Schroth PTs: Schroth exercises
 - 3. M. Romano, PT and S. Negrini, MD: SEAS-06
 - 4. M. Bialek M.Sc, PhD, PT.: Functional Individual Therapy of Scoliosis FITS
- 4:30 J.P. O'Brien, MBA: 'Scoliosis Patient Care ~ More Than Just A Method'
- 4:50 M. Rigo, MD ~ Close of Education Session & Invite to Interactive Posters
- 5:00 Interactive Poster Session/Reception
- 6:30 End





May 13th - 16th, 2007 Boston, MA, USA *Scientific -Program*

Overview:

Sunday May 13 5:00-6:30 p.m. Session 1. Interactive poster session and social reception

Monday May 14 8:00 a.m.-noon Session 2. Physical medicine and scoliosis

Monday May 14 1:30-5:00 Session 3. Brace Treatment

Tuesday May 15 8:00-noon Session 4. Pathology

Tuesday May 15 1:30-3:30 Session 5. Clinical tools: new approaches to diagnosis and classification

Tuesday May 15: 3:30-5:00 Consensus Session I. School Screening

Tuesday May 15: 5:00-6:30 Consensus Session II. Outcome Measures

Sunday May 13th:

5:00pm-6:30 p.m. Session 1. Interactive poster session and social reception:

Brooks, WJ, Krupinski EA, Hawes MC. Reversal of curvature magnitude in response to physical methods: a 15-year followup in an adult female diagnosed with moderately severe scoliosis at age eleven. Restorative Care Foundation, Kansas City, MO 64152 and the Department of Osteopathic Principles and Practice, College of Osteopathic Medicine, Nova Southeastern University, Ft. Lauderdale, FL 33328

Correia KA, Megna J. The effect of physical therapy on computerized dynamic posturography of an adolescent with idiopathic scoliosis: A case study. Kare Therapeutics, 732 Smithtown Bypass, Suite 102A, Smithtown, NY 11787 (James Megna, PT, MS, NCS, Southside Hospital, Bayshore, NY

Hennes, A The Schroth Concept - Actual Developments

Monroe, M. Yoga and Somatic Therapy for the treatment of adolescent idiopathic scoliosis: Adult case report. Private practice of Body Mind Centering, Feldenkrais, and Iyengar Yoga; 161 West 15th #3A; New York, NY 10011

Nieh, MT. Exercise-based methods to treat adult scoliosis: a case report. Rensselaer NY.

O'Brien, JP. Retrospective review of a single case of surgically treated AIS over a 40-year period.

Shawafaty N, Cheriet F, Coillard C, Rhalmi S, Labelle H, Rivard CH. Non invasive evaluation of SpineCor brace correction from surface topography

Sherman, K. Pilot Study to Validate a Scoliosis-Specific Instrument that Measures Quality of Life and Treatment Effect. 7027 North Seneca Avenue, Glendale, WI 53217

Torres, *B.* Katharina Schroth Method for treatment of post-polio scoliosis in an adult. Physiotherapist in private practice, Palo Alto, CA 94306;

Botens-Helmus C, Klein R, Stephan C, Hans-Rudolf Weiss. Reliability of the Bad Sobernheim Stress Questionnaire (BSSQbrace) Rigo M. Conservative approach for the treatment of idiopathic scoliosis in the 'E. Salva Institute' of Barcelona

Negrini, S. The evidence based ISICO approach to rehabilitation of spinal deformities.

Stokes, IAF. Analysis and Simulation of Progressive Adolescent Scoliosis by Biomechanical Growth Modulation Weiss, HR Scoliosis Intensive Rehabilitation (SIR) - Evidence Based Scoliosis Rehabilitation

Monday May 14th:

Session 2. Physical medicine and scoliosis

- 8-8:10 Moderator: Hans Rudolph Weiss Opening remarks
- 8:10 Bialek M, Chwala W, Kotwicki T, M'hango A. Decrease of Electromyographic Activity of Concave Paraspinal Muscles in Scoliotic Girls after Specific Soft Tissue Therapy.
- 8:20 Bialek M, M'hango A, Kotwicki T. Monitoring of Changes of Trunk Rotation During Scoliosis Physiotherapy.
- 8:30 Bilotta TW. Postural Reeducation (PR) in treatment of idiopathic scoliosis.
- 8:40 Durmala J, Dobosiewicz K. Physical efficiency of girls with conservatively treated idiopathic scoliosis.
- 8:50 Durmala J, Tomalak W. Respiratory muscle strength in adolescents with scoliosis
- 9:00 **Durmala J, Dobosiewicz K, Piotrowski J.** Stabilisation of progressive IS in the period of maturation in girls treated using Dobosiewicz's method (period of the observation >36 months).
- 9:10 Karski T, Kalakucki J, Karski J. Patient-specific exercise programs in the conservative management of the socialed idiopathic scoliosis.
- 9:20 Negrini S, Romano M, Negrini A, Parzini S. End-growth final results of an effective conservative treatment: a retrospective case series.
- 9:30 Rigo M, Quera-Salvá G, Villagrasa M, Ferrer M, Casas A. Effect of specific exercises on the sagittal profile of scoliotic spines.
- 9:40 Romano M, Negrini S, Zaina F, Negrini A, Parzini S. Does quality of exercises affect results in adolescent idiopathic scoliosis treatment to avoid braces? SEAS.02 results at two years.
- 9:50 Brooks WJ. Comprehensive manipulative medicine
- 10:05 Discussions and Questions
- 10:10 Coffee Break
- 10:30-12:00 Tom Findley: Keynote and mini-workshop: "Developing Clinical Research: Turning a good idea into a great project"
- 12-1:30 Lunch
- 1:30 Session 3a. Brace Treatment
- 1:30 Weiss HR, Werkmann M, Stephan C. The "Chêneau light" brace in patients with scoliosis In-brace corrections.
- 1:40 Weiss HR, Werkmann M, Stephan C. Brace related stress in different braces for scoliosis treatment
- 1:50 Rigo M. A series of patients with AIS treated with a Rigo System Chêneau (RSC) brace. Primary correction in brace improved by technical evolution.
- 2:00 Wynne J. Boston brace
- 2:10 Soultanis K, Mantelos G, Pyrovolou N, Athanasakpopulos M, Karaliotas G, Sakelariou B, Soucacos PN. Long term efficacy efficacy of the Boston brace for the treatment of idiopathic scoliosis.
- 2:20 Discussion and questions
- 2:30 Landauer F, Hofstädter T. Proportion of correction and compliance to determine success in brace treatment.
- 2:40 Grivas TB, Vasiliadis E, Koufopoulos G, Trinatafyllopoulos G, Mouzakis V. How much does the Dynamic Derotation Brace affect the surface deformity of children with idiopathic scoliosis?
- 2:50 Kinel E, Kotwicki T, Stryla W, Szulc A. Adolescent Girls with Scoliosis Above 45 Degrees, Treated with TLSO Brace, Reveal Less Clinical Deformity than Non-treated Girls Having Similar Scoliosis Angle.
- 3:00 Kinel E, Kotwicki T, Stryla W, Szulc A. Adolescent Girls with Scoliosis Below 40 Degrees, Treated with TLSO Brace, Reveal Less Clinical Deformity than Non-treated Girls Having Similar Scoliosis Angle.
- 3:10 Maruyama T, Miura M, Sasaki G, Kitagawa T. Outcomes of brace treatment for idiopathic scoliosis.
- 3:20 **Bunge EM,** de Koning HJ for the brace trial group. Bracing patients with adolescent idiopathic scoliosis: design of the first randomised controlled treatment trial.
- 3:30 Aulisa AG, Negrini S, Galli M, Lupparelli S, Aulisa L. The conservative treatment of thoracolumbar and lumbar idiopathic scoliotic curves with the P.A.S.B.
- 3:40 Coffee Break

Session 3b. Brace Treatment

- 3:50 Negrini S, Zaina F, Negrini F, Marchini G, Aulisa A. Sforzesco brace (SPoRT Concept) versus Risser cast in adolescent idiopathic scoliosis treatment: similar efficacy, with reduced spinal side effects for the brace.
- 4:00 Coillard C, Vachon V, Circo A, Beauséjour M, Shawafaty N, Eng B, Rivard CH., Effectiveness of the spinecor brace based on the new standardized criteria proposed by the S.R.S. for adolescent idiopathic scoliosis
- 4:10 Vachon V, Circo, A, Coillard C, Rivard C.H. Positive outcome in overweight patients with adolescent idiopathic scoliosis treated by the Spinecor brace
- 4:20 **Deutchman G, Lamantia M, Indelacato J, Raykhman M.** A retrospective study of 23 adults treated for scoliosis using the Spinecor Orthosis.
- 4:30 Kessler J The Efficacy of a new CAD/CAM Brace in the Treatment of Idiopathic Scoliosis
- 4:40 Romano M, Negrini S. Does bracing change the sport habits of patients? A controlled study
- 5:00-6:30 p.m. **SOSORT Business meeting**

Tuesday May 15th:

Session 4a: Pathology

- 8:00 Opening Remarks
- 8:10 Beuerlein M, Bagnall K, Wang X, Wilson J, Raso J, Moreau M. The development of scoliosis following pinealectomy in two species of chicken with different growth rates.
- 8:20 Birchall D, Hughes D, Williamson B. Demonstration of Vertebral and Disc Mechanical Torsion in Adolescent Idiopathic Scoliosis Using Three-Dimensional MR Imaging
- 8:30 *Birchall D, Hughes D, Williamson B.* Evaluation of the Effect of Vertebral and Disc Mechanical Torsion on the Correction achieved by Posterior Instrumentation in Adolescent Idiopathic Scoliosis.
- 8:40 *Chêneau J, Grivas TB, Engels G, Fritsch HBS*. Wedged vertebrae normalization in congenital scoliosis due to application of external forces by brace.
- 8:50 Grivas TB, Vasiliadis E, Savvidou O, Dangas S, Triantafyllopoulos G, Malakasis M. Is the rib hump thoracic/surface deformity) always in agreement with the Cobb angle (spinal/radiological deformity)? A study in school-screening referrals, with aetiological implications.
- 9:00 Aulisa AG, Negrini S, Galli M, Visci F, Aulisa L. The biomechanics of conservative treatment of idiopathic scoliosis.
- 9:10 Kluszczyński M. The incidence of dorsal and pelvis asymmetries in school-age children with hip dysplasia in the neonatal-infancy period.
- 9:20 Kotwicki T, Chowanska J, Kinel E, Lorkowska M, Stryla W, Szulc A. Sitting forward bending position versus standing position for studying the back shape in scoliotic children.
- 9:30 **Rigo M, Villagrasa M.** Comparison of three non-invasive devices to assess the sagittal spinal configuration in an heterogeneous population of scoliotic and non scoliotic subjects.
- 9:40 Romano M, Zaina F. Is there a relationship between the results of unterberger test and convexity of scoliosis major curve?
- 9:50 Questions and Discussion
- 10:00 Coffee Break
- Session 4b Pathology
- 10:30 Lamantia M, Deutchman G, Indelacato J, Raykhman M. A retrospective study of thirty six (36) cases of vestibular hypofunction in adolescents with idiopathic scoliosis
- 10:40 Ploumis A, Transfeldt EE, Gilbert TJ, Mehbod AA, Pinto MR, Wroblewski JW, Denis F. Radiculopathy in degenerative lumbar scoliosis: Treatment with selective nerve root steroid injections.
- 10:50 Iemolo B. Seven criteria to treat Scheuermann's Disease.
- 11: 00 Aulisa AG, Negrini S, Galli M, De Matthaeis A, Aulisa L. Is correction of the deformity sufficient for complete recovery from idiopathic scoliosis?
- 11:10 Hawes MC. Scoliosis and the Human Genome project: update.
- 11:30 Questions and Discussion
- 12-1:30 Lunch
- Session 5. Clinical tools: new approaches to diagnosis and classification
- 1:30 Grivas TB, Vasiliadis E, Maziotou C, Beltsios M, Psarakis S, Segos D. Cost analysis of a school–screening program.
- 1:40 Paez A, Lotufo D, Wilmarth MA. School based scoliosis screening: an analysis of socio-demographics, compliance, efficacy and a proposed role for physical therapists.
- 1:50 Zaina F, Negrini S, Romano M, Aulisa A. Repeatability of different methods to collect in everyday clinics the sagittal profile of patients with adolescent idiopathic scoliosis.
- 2:00 Negrini S, Negrini A. The 3-DEMO (3-Dimensional Easy Morphological) classification of scoliosis:
- 2:10 Zaina F, Negrini S, Monticone M, Paroli C, Aulisa A. Repeatability of the Aesthetic Index for adolescent scoliosis idiopathic evaluation
- 2:20 Negrini S, Zaina F, Montocone M, Paroli C. TRACE (Trunk Aesthetic Clinical Evaluation), a new everyday clinical tool to assess adolescent idiopathic scoliosis patients aesthetics.
- 2:30 **Durmala J, Detko E, Krawczyk K.** Values of thoracic kyphosis in adolescents from city of Czestochowa (simple method of measurement during clinical examination) pilot study.
- 2:40 Questions and Discussions
- 2:50 Grivas T: SOSORT 2008 Meeting in Athens, Greece
- 3:00-3:30 Rigo M. Presidential Address Close of Scientific Program

SOSORT



4th International Conference on Conservative Management of Spinal Deformities



May 13th - 16th, 2007 Boston, MA, USA *Consensus Sessions & Clinical Demonstrations*

Tuesday, May 15th:

3:30-5:00 Chairman T.B. Grivas, MD: Consensus Session I – School Screening 5:00-6:30 Chairman T Kotwicki, MD: Consensus Session II--Outcome Measures

Wednesday, May 16th:

Clinical Sessions: Scoliosis Bracing: Concepts, Construction, & Certification Requirements

Moderator: Luke Stikeleather

8:30 Manuel Rigo & Hans Rudolph Weiss - Chêneau brace and derivates

9:30 Stefano Negrini – Lyon & SPoRT Braces

10:30 Break

11:00 Charles H. Rivard - SpineCor

12:00 James Wynne - Boston Brace & TriaC

1:00 End of Clinic Day

Conclusion of the 4th International Conference on Conservative Management of Spinal Deformities

SOSORT SOSORT



Registration Form: Please Print or TYPE:

4th International Conference on **Conservative Management of Spinal Deformities**



May 13th - 16th, 2007 Boston, MA, USA

Title (Mr., Mrs., Ms., Dr.): Full	Name (First, N	/II, Last, Suffix	x):	
Name for Certificate:		(Credentials:	
mail:Daytime Phone:		time Phone: _		Fax:
MDPhDOrthotistPhysica	I Therapist	Nurse	Sales Rep	Other (please specify)
Institution, Company, or Practice Nam	ne			
Address (Home orWork)				
City, State, ZipCode, Country				
SOSORT 2007 REGISTRATION FEES	EARLY Before 4/7/07	REGULAR Before 4/24/07	LATE After 4/24/07	Easy Ways to Register
I - SOSORT MEMBERS (paid as of 3/1/07)	Before 4/1/01	Before 4/24/0/	After 4/24/07	
Scientific Sessions (includes Education Day)	\$550	\$600	\$700	Mail: Complete the registration form and mail
Education Day Only	\$150	\$200	\$300	with payment to:
Additional Clinic Day ¹	\$100	\$100	\$200	
II - NON SOSORT MEMBERS				National Scoliosis Foundation
Scientific Sessions (includes Education Day)	\$600	\$650	\$750	5 Cabot Place
Education Day Only	\$200	\$250	\$350	Stoughton, MA 02072
Additional Clinic Day ¹	\$150	\$150	\$250	
III - RESIDENTS & FELLOWS(with valid proof				2. Fax : Fax Form with Credit Card information to:
Scientific Sessions (includes Education Day)	\$400	\$500	\$600	1-781-341-8333
Education Day Only	\$150	\$200	\$300	
Additional Clinic Day ¹	\$100	\$150	\$200	3. Email: send PDF to ageorge@scoliosis.org
IV - PATIENTS & FAMILY - NON CLINICIANS	# 400	\$500	# 000	
Scientific Sessions (includes Education Day) Education Day Only	\$400 \$75	\$500 \$100	\$600 \$125	4. Phone : 1-781-341-6333
Additional Clinic Day ¹	\$73	N/A	N/A	
GALA DINNER - ACCOMPANYING GUESTS ²	\$75	\$75	\$100	Meeting Special! – 2007 SOSORT Membership
2007 SOSORT MEMBERSHIP SPECIAL	\$73 \$70	\$70	\$70	Regular - \$140 US Half Price - \$70 US
2007 3030KT MILWIDEKSTIIF 3FEGIAL	φισ	Ψ, σ, σ, σ	φ/ Ο	
Total:	\$	\$	\$	All Registrants for the Scientific Session will be
	· ·	7	7	able to receive a one time Conference Special
¹ All ATTENDEES MUST BE PAID PARTICIPAL	NTS FOR SCIENT	IFIC SESSIONS		and become SOSORT Members for \$70.
Check enclosed, payable to: Na	ational Scolins	is Foundation	or	Conference Attendees will be awarded
Officer efficiosed, payable to. No	ational Scollos	is i dulluation	, 01	
Charge to: Master Card V	isa Amex	Discover		23 Contact Hours
Card #:	Exp: Security #		·v #·	Do you plan on attending the Monday night Gala
			· · · · · · · · · · · · · · · · · · ·	dinner? Please specify:
Name on card (print): Yes No				
All Registration Fees include AM & PM	Breaks and Lu	nch. Educatio	n Day include:	s an Interactive Poster Cocktail Reception.

Refund & Cancellation Policy

A full refund of registration fees, less a \$25 administrative fee, will be available if requested in writing and received by Friday, April 27th, 2007. No refunds will be made after that date. A \$25 fee also will be charged for returned checks. NSF reserves the right to cancel the course and return all fees in the event of insufficient registration. The liability of SOSORT, NSF and Northeastern University will not be responsible for any losses incurred by registrants, including but not limited to airline cancellation charges or hotel deposits.

²Scientific Session Registration includes a Gala Dinner on Monday, May 14th, 2007. Accompanying guests can attend for a \$75 fee.





May 13th - 16th, 2007 Boston, MA, USA

Hotel Accommodations

We are thrilled you are going to be apart of our

4th International Conference on Conservative Management of Spinal Deformities.

We hope this is as enjoyable as it will be informative.

To make your stay in Boston easier we have made room blocks at various hotels around the Northeastern University area.

In order to get this rate you must call and use the Reference provided below.

Please book early as special rate rooms are limited and will run out fast!

The Colonnade Boston

120 Huntington Avenue, Boston, MA 02116

617-424-7000

Reference: SOSORT - National Scoliosis Foundation

\$169.00

Book before: April 24, 2007 Expedia Rate: \$209.25 + tax ** Highly Recommended**

Sheraton Boston Hotel

39 Dalton Street, Boston, MA 02199

617-236-6148

Reference: National Scoliosis Foundation

\$169 + tax

Book before April 15th Expedia Rate: \$274 + tax ** Highly Recommended**

Courtyard by Marriot Boston Copley Square

88 Exeter Street, Boston, MA 02116

617-437-9300

Reference: National Scoliosis Foundation

\$219 + tax (breakfast included) Book before: April 25, 2007 Expedia Rate: \$269.00 + tax

Best Western: The Inn at Longwood Medical

342 Longwood Avenue, Boston, MA 02115

617-731-4700

Reference: SOSORT - National Scoliosis Foundation

\$179.00 + tax

Book before: April 12, 2007 Expedia Rate: \$234.00 + tax

The MidTown Hotel

220 Huntington Avenue, Boston, MA 02115

617-262-100/800-343-1177

Reference: SOSORT - National Scoliosis Foundation

\$159.00 + tax

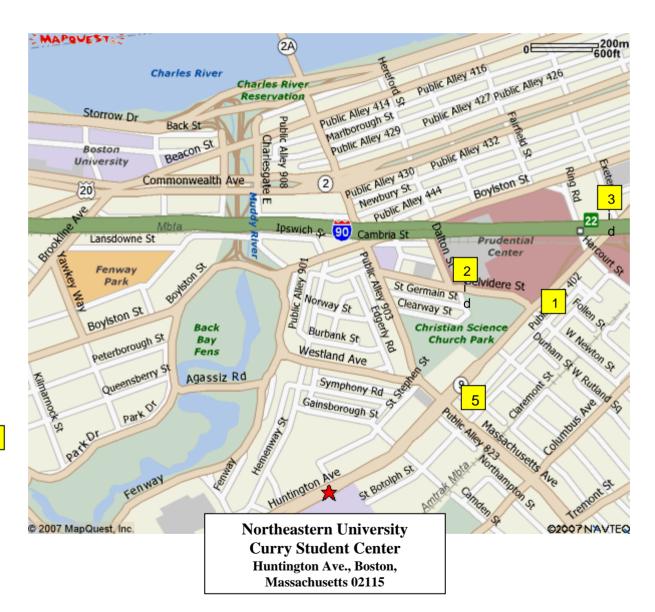
Book before: April 12, 2007 Expedia Rate: \$219 + tax







May 13th - 16th, 2007 Boston, MA, USA *Hotel & Conference Facility Location Map*



- 1. Colonnade Hotel Boston (.6 Miles from NEU)
- 2. Sheraton Boston Hotel (.7 Miles from NEU)
- 3. Courtyard by Marriott Boston Copley Square (.8 Miles from NEU)
- 4. Best Western: Inn at Longwood Medical Center (.9 Miles from NEU)
- 5. Midtown Hotel (.4 Miles from NEU)

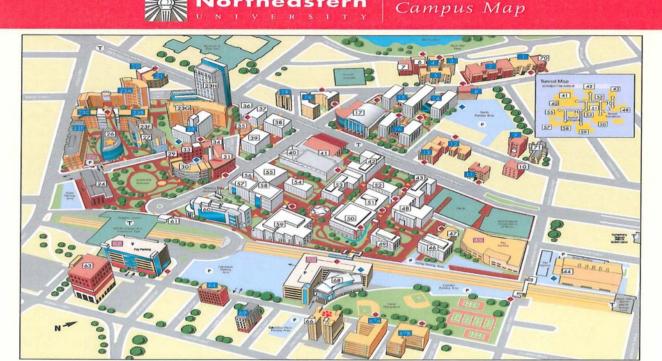




May 13th - 16th, 2007 Boston, MA, USA

CONFERENCE FACILITY CURRY STUDENT CENTER #50

Northeastern



Academic and Service Buildings (66) Alumni Center of Columbus Place (CP) (1) Architecture Studio (RG) (20) Asian-American Center (AC) (40) Bodger-Rosen Squashbuster Center (SB) (40) Bodger-Rosen Squashbuster Center (SB) (40) Bodreto Notatorium (BN) (51) Blackman Auditorium (ALDL) (52) Behrolsh Hedih Sciences Center (BN) (53) Cargill Hedil (CG) (54) Cargill Hedil (CG) (55) Cargill Hedil (CG) (56) Couching Hedil (CG) (57) Cullinone Hell (CN) (58) Course Hedil (CN) (59) Dockser Hell (CN) (50) Dockser Hell (CN) (50) Dockser Hell (CN) (51) Dockser Hell (CN) (52) Dockser Hell (CN) (53) Dockser Hell (CN) (54) Egen Eginnering (55) Egen Eginnering (56) Egen Eginnering (57) Hedil (CN) (58) Hedil (EN) (59) Hedil (EN) (50) Hedil (EN) (51) Hedil (EN) (52) Hell (EN) (53) Hedil (EN) (54) Hell (EN) (55) Hell (EN) (56) Hell (EN) (57) Hell (EN) (58) Hell (EN) (59) Hell (EN) (50) Hell (EN) (51) Hell (EN) (52) Hell (EN) (53) Hell (EN) (54) Hell (EN) (54) Hell (EN) Academic and Service Buildings

- 33 Holmes Holl (HO)

 46 Hursig Holl (HT)

 35 Koviotis Holl (CA)

 36 Koviotis Holl (CA)

 37 Loke Holl (LA)

 38 Koviotis Holl (CA)

 39 Koviotis Holl (CA)

 30 Koviotis Holl (CA)

 40 Koviotis Holl (CA)

 41 Mostlews Areno (MA)

 42 Mostlews Areno (MA)

 43 Mogor Ufe Sciences Building (MU)

 45 Mogor Holl (MI)

 46 Mogor Ufe Sciences Building (MU)

 47 Mostlews Areno (MA)

 47 Repoissone Pork (RN)

 48 Repoissone Pork (RN)

 49 Robinson Holl (RN)

 40 Robinson Holl (RN)

 50 Repoisson Holl (RN)

 50 Shellinon Holl (SH)

 50 Shellinory (SL)

 51 Ann (SA)

 52 Security Conter (SN)

 53 Seal Conter (SN)

 53 Seal Conter (SN)

- Burstein Hall (BU)
 Davenport Common
 Kennedy Holl (KDY)
 Kerr Hall (KDH)
 Levine Hall and
 St. Stephen Street C
 Light Hall (LH)
 Loftman Hall and
 1,53 Hemenway Street
 Light Hall (LH)

- Hemenway Street rin Hall (MH) enstein Hall (464)

- Mekini Holl (MH)
 Ribbenstein Holl (364)
 Smith Holl (35M)
 Speare Holl (35P)
 Steton Eost (35E)
 Steton Cost (35E)
 Steton Cost (35E)
 Steton Wall (30M)
 West Village Residence Comple
 A, B, C, E (VM)
 West Village Residence
 White Holl (WN)
 West Village Residence
 White Holl (WN)
 White Holl (WN)
 John Holl (MH)
 I O Coventry Street (14)
 142-148 Hemenowy Street (14)
 1379 Hourlington Avenue (337)
 3379 Hourlington Avenue (337)
 4079 Hourlington Avenue (377)
 780 Columbus Avenue (780)
- net (142-148)

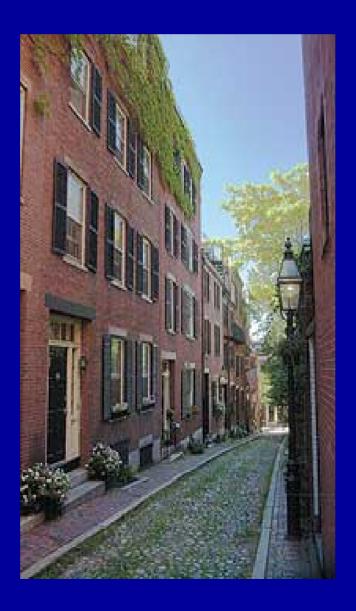
Parking Garages

- Columbus Parking Garage (CPG)
 Gainsborough Parking Garage (GG)
 Renaissance Park Garage (RPG)
 West Village Parking Garage (WPG)

- # Academic and Service Buildings
- # Academic-Residence Buildings
 Residence Buildings
- Parking Garages
- (F) Parking (permit requ (V) Visitor Parking
- Handicapped Parking
 Handicapped-Accessible
- Emergency Telephone

 MBTA Station
- Admissions Visitor Center
- Alumni Center at Columbus Place









Boston, first incorporated as a town in 1630, and as a city in 1822, is one of America's oldest cities, with a rich economic and social history. What began as a homesteading community eventually evolved into a center for social and political change. Boston has since become the economic and cultural hub of New England.

As the region's hub, Boston is home to nearly 590,000 residents, many institutions of higher education, some of the world's finest inpatient hospitals, and numerous cultural and professional sports organizations. Boston-based jobs, primarily within the finance, health care, educational, and service areas, numbered nearly 660,000 in 2002. Millions of people visit Boston to take in its historic neighborhoods, attend cultural or sporting events, and conduct business.

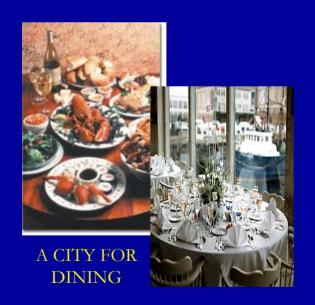
BOSTON THINGS TO DO



A CITY FOR CULTURE



A CITY FOR SPORTS



A CITY FOR SHOPPING



A CITY FOR NIGHT LIFE



A CITY FOR BOATING IN THE HARBOR

BOSTON GETTING AROUND



A CITY FOR WALKING



A CITY FOR RIDING THE "T"



THE CENTER OF NEW ENGLAND





PLEASE JOIN US IN BOSTON ON MAY 13 – 16, 2007
THIS MAY BE ONE OF THE MOST IMPORTANT STEPS IN YOUR
JOURNEY WITH SPINAL DEFORMITIES



