

OCTOBER 13-15, 2021 Istituto Ortopedico Rizzoli Bologna - Italy

www.orthopaediccoursesbjd.it

"The course is address to orthopaedic surgeons interested to complex reconstructions related to wide bone and soft tissue deficiencies due to tumor resection, multiple prosthetic failures, difficult trauma or infection.

Particular emphasis will be taken in 3D printing custom reconstruction in pelvic oncology and revision surgery. Additionally, upper and lower limb difficult cases reconstructed with allograft or custom prosthesis will be presented"

Course Director

Davide Maria DONATI, M.D.

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Course Organizers:

Marco MANFRINI, M.D.

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Massimiliano DE PAOLIS, M.D.

Head, Orthopedic Unit, Sant'Orsola-Malpighi Hospital, Bologna, IT







GENERAL INFORMATION

Meeting Venue - Course October 13-14, 2021

Campanacci Hall - Rizzoli Orthopaedic Institute

Via Pupilli 1 - Bologna, Italy

Meeting Venue - Course October 15, 2021

BI-REX - Big Data Innovation & Research Excellence

Via Paolo Nanni Costa 20 - Bologna, Italy

Case Presentations

Participants are invited to submit clinical cases to be discussed during the course. Those interested are requested to send an e-mail to: ortopedia@adarteventi.com

Registration fee October 13-14-15 (to attend the event in person in Bologna)

€ 200,00 VAT included

The registration fee covers: lunches, refreshments during the breaks and the Course Dinner October 14

Registration fee WEBINAR

October 13 - 16:30/18:30

Session 2: Overview on reconstruction

methods in severe bone and joint defect € 25,00 € VAT included

October 14 - 14:00/18:30

Session 5: Skeletal Custom applications € 25,00 € VAT included

The OnLine Course will be hosted on Zoom platform The link will be sent by email 3 days before the Webinar

Registration and payment forms are available online at:

www.adarteventi.com www.orthopaediccoursesbid.it

Deadline

Deadline for registration is SEPTEMBER 30th, 2021

Organizing Secretary

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PRIVACY

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DAY 1 OCTOBER 13rd, 2021 (Wednesday afternoon)

Meeting Venue: Campanacci Hall - Rizzoli Orthopaedic Institute - Via Pupilli 1 - Bologna, Italy

Session 1:	INTRODUCTION ON SEVERE BONE AND JOINT DEFECT The session is address to describe the problems more than the solutions.
13.30	Course admission
14.30	General approach to wide bone and joint loss
Lecture 1	Definition of the educational background to address problem solving for orthopaedic surgeon. Patient and doctor relationship: what can be expected and what should. DAVIDE M. DONATI, M.D. (Rizzoli Institute, Bologna)
15.00	Tumor related defects
Lecture 2	The amount of bone and soft tissue to be resected/excised in relation to different diagnosis and sites. Resection in different skeletal sites. How to limit joint replacement (extended intercalary vs joint excision). DOMENICO CAMPANACCI, M.D. (CTO, Florence)
15.30	Prosthetic loosening and infection related defects
Lecture 3	Generalities in aseptic loosening and infection in hip and knee prosthetic failure. The problem of reconstruction after long course infection cure. How to deal with fibrosis. ALESSANDRO MASSÈ, M.D. (CTO, Turin)
16.00	Discussion & Coffee break

Session 2:	OVERVIEW ON RECONSTRUCTION METHODS IN SEVERE BONE AND JOINT DEFECT (also zoom webinar) The session is address to describe advantages and limits.
16.30	Standard solutions
Lecture 4	Use of modular mega prostheses, different system in different skeletal sites. Advantages and limitations of the single techniques applications will be underlined. MASSIMILIANO DE PAOLIS, M.D. (S. Orsola Malpighi Hospital, Bologna)
17.00	The use of bone massive allograft
Lecture 5	Generalities on allograft: allograft application alone, allograft composite prosthesis, allograft with vascularized fibula. MARCO MANFRINI, M.D. (Rizzoli Institute, Bologna)
17.30	The use of new reconstructive material
Lecture 6	The definition of scaffold. Porous resorbable structures vs porous metal (tantalum, titanium). DAVIDE M. DONATI, M.D. (Rizzoli Institute, Bologna)
18.00	Discussion
18.30	End of the day

DAY 2 OCTOBER 14th, 2021 (Thursday morning and afternoon)

Meeting Venue:

Campanacci Hall - Rizzoli Orthopaedic Institute - Via Pupilli 1 - Bologna, Italy

Session 3:	GENERALITIES ON CUSTOM SOLUTIONS
08.00	The use of new virtual technology applied to orthopaedic surgery
Lecture 7	Navigation, robotic, use of patient specific instrumentation. TOMMASO FRISONI, M.D. (Rizzoli Institute, Bologna)
08.30	3D printing technology
Lecture 8	Different materials and machines. What is standard and future directions. ENRICO SANDRINI, Ing. (Lincotek)
09.00	What is intended with custom solution? Different criteria of applications
Lecture 9	Custom as a standard solution (Stanmore). Custom in disaster cases (Link) Forged device. Custom as reliable prosthetic solution in young individuals (Custom – better anatomy respect – better function – better durability). DAVIDE M. DONATI, M.D. (<i>Rizzoli Institute, Bologna</i>)
09.30	Projecting custom made solutions (biomechanical approach)
Lecture 10	Designing the trabecular custom structure. How to improve integration how to decrease infection risk. Helmut-Detlet Link (Link)
10.00	Discussion & Coffee break
Session 4:	CUSTOM SOLUTIONS IN THE PELVIS
10.30	Standard solution in pelvic surgery
Lecture 11	Pelvic resections: surgical approach, resection classification, different type of reconstruction in different pelvic sites. DAVIDE M. DONATI, M.D. (<i>Rizzoli Institute, Bologna</i>)
11.00	Standard solution in hip revision surgery
Lecture 12	Principle of cup revision in 3b Paproski cases and more. Pseudotumor cases How to regain the bone stock. ALESSANDRO MASSÈ, MD (CTO, Turin)
11.30	Custom made prosthesis in pelvic area
Lecture 13	How to match resection and reconstruction. The use of 3D printed guides Fixation. Reduce the reconstruction time. Quality of bone stock in revision cases. DAVIDE M. DONATI, M.D. (Rizzoli Institute, Bologna)
	Discussion

12.30	Lunch break
Session 5:	SKELETAL CUSTOM APPLICATIONS (also zoom webinar)
14.00	Relive surgery: pelvic reconstructions with custom solutions
	Cases in oncology surgery - Cases in revision surgery DAVIDE M. DONATI, M.D. (Rizzoli Institute, Bologna) DOMENICO CAMPANACCI, M.D. (CTO, Florence) ALESSANDRO MASSÈ, M.D. (CTO, Turin)
16.00	Discussion & Coffee break
16.30	Custom made application around the knee
Lecture 14	From allograft replacement experience, through partial prosthetic applications, to articular replacement (small and large osteochondral). DAVIDE M. DONATI, M.D. (Rizzoli Institute, Bologna)
17.30	Custom made application around the ankle
Lecture 15	Ankle arthrodesis in distal tibia fracture. Mobile ankle in tumor or fracture surgery. MASSIMILIANO MOSCA, MD (Rizzoli Institute, Bologna)
18.00	Relive surgery (ankle or knee)
18.30	End of the day
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DAY 3 OCTOBER 15th, 2021 (Friday morning) *Meeting Venue:*BI-REX - Via Paolo Nanni Costa 20 - Bologna, Italy

Session 6:	APPLICATION IN THE UPPER LIMB AND CASES PROVIDED BY PARTICIPANTS
08.30	Custom made applications in scapula and upper limb
Lecture 16	Attachment of the scapula. Humeral joint reconsruction. GIUSE E BIANCHI, M.D. (Rizzoli Institute, Bologna)
09.00	Presentation and discussion on cases provided by participants and invited speakers
10.30	Coffee break
11.00	The future of custom devices
Lecture 17	The company perspective. The hospital based perspective. Set up of a custom project centre. ALBERTO LEARDINI, Ing. PhD (Rizzoli Institute, Bologna) ENRICO SANDRINI, Ing. (Lincotek)
Lecture 18	The regulation perspective. Future of custom business. MASSIMO ANANIA, Ing. (Link)
12.00	End of the course

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Thanks to:





