



# 5<sup>TH</sup> INTERNATIONAL CONFERENCE ON CARDIORESPIRATORY PHYSIOTHERAPY

EMPOWERING THE ALLIANCE AMONG HEALTH PROFESSIONALS:  
**MEETING THE NEW COMMUNITY NEEDS**

*VALORIZZARE L'ALLEANZA TRA PROFESSIONISTI SANITARI  
PER RISPONDERE AI NUOVI BISOGNI DELLA COMUNITÀ*

**FINAL  
PROGRAM**

**2023**

**ROME (ITALY) • BARCELÓ ARAN MANTEGNA • 11-13 MAY 2023**

## ORGANIZING SECRETARIAT AND ECM PROVIDER

### Victory Project Congressi

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## CONGRESS VENUE

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## FOR FURTHER INFORMATION

Please, visit the website:

[www.arirassociazione.org](http://www.arirassociazione.org)

and follow us



#CongressoArlR2023

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Four years after Treviso and after the Assago event last June, the **ARIR International Congress** returns with its fifth edition. The largest event on CardioRespiratory Physiotherapy in Italy organized by ARIR in which Italian and prominent foreign names will bring their scientific contributions.

In light of the events that have involved us at the forefront in recent years, respiratory physiotherapists have become increasingly integrated with other professionals. From this renewed synergy came the theme of this year's Congress, **"Empowering the alliance among health professionals."**

Education, science, new technological supports will be the cornerstones of this congress.

For the first time in the history of ARIR international congresses, issues in cardiology rehabilitation will be addressed. Moving from the core issues of the profession, the congress will be the crossroads for new opportunities for discussion and experience sharing.

## ARIR PROFILE

ARIR **has been founded in 1989 by a group of Physiotherapists** who want to be the voice of professionals who work in Respiratory Care and contribute to develop this profession ensuring high quality training and continuing medical education and promoting discussion between those were working in Respiratory Physiotherapy and Pulmonary Rehabilitation. The multidisciplinary and Evidence-Based-Medicine approach are the preferred paradigms for pursuing the above objectives.

In the last 15 years, ARIR created significant links of interaction and collaboration with associations involved in the field of Physiotherapy and Pulmonary rehabilitation. ARIR organize continuing medical education opportunities with the physiotherapists members of the **Società Italiana per lo studio della Fibrosi Cistica** (SIFC) and with the **Associazione Italiana Fisioterapisti** (AIFI). ARIR was a founder of the **European Respiratory Care Association** (ERCA) and since 2002 has been affiliated with the **American Association for Respiratory Care** (AARC) and the **Associazione Italiana Pneumologi Ospedalieri** (AIPO).

One other relevant initiative made by ARIR is the first level professional master's programme on Respiratory Physiotherapy and Pulmonary Rehabilitation, which is now at the twelfth edition and has trained more than 200 italian and foreign incomer respiratory physiotherapists. This initiative contributes concretely to the commencement of this discipline in Italy.

**THURSDAY, 11 MAY 2023**

- 10.45 – 11.00 OPENING
- 11.00 – 12.30 **PLENARY SESSION** INNOVATION IN POST-PANDEMIC RESPIRATORY REHABILITATION
- 12.45 – 13.45 **LUNCH WORKSHOPS**
- 13.45 – 14.30 COFFEE AND VISIT TO THE EXHIBITION HALL
- 14.30 – 15.45 **ROOM A** AIRWAY CLEARANCE: EVIDENCE IN 2023  
**ROOM B** THE EMERGING REALITY OF CARDIOPULMONARY REHABILITATION
- 16.00 – 17.15 **ROOM A** THE EVALUATION AS A GUIDE TO THE TREATMENT IN PULMONARY REHABILITATION  
**ROOM B** NIV IN COPD BEYOND ACUTE
- 17.15 – 17.45 COFFEE BREAK AND VISIT TO THE EXHIBITION HALL
- 17.45 – 18.00 **PLENARY SESSION** PROJECT DEVICE 4 PATIENTS PRESENTATION
- 18.00 – 19.15 **PLENARY SESSION** FOCUS IN LARYNX – THE ENTRANCE TO THE AIRWAY

**FRIDAY, 12 MAY 2023**

- 08.30 – 09.30 **PLENARY SESSION** ARIR-AIPO JOINT SESSION
- 09.30 – 10.00 **KEYNOTE LECTURE** WHAT'S NEW IN BRONCHIECTASIS? DIAGNOSIS, MANAGEMENT AND TREATMENT
- 10.00 – 11.00 **WORKSHOP**
- 11.00 – 11.30 COFFEE BREAK AND VISIT TO THE EXHIBITION HALL
- 11.30 – 12.45 **ROOM A** TRAINING IN CHRONIC RESPIRATORY DISORDERS: IN BALANCE BETWEEN STRESS AND SUSTAINABILITY  
**ROOM B** THE SURGICAL PATIENT FROM PREOPERATIVE EVALUATION TO INTENSIVE CARE  
**ROOM C** EXERCISE TRAINING IN CARDIAC REHABILITATION  
**ROOM D** PALLIATIVE CARE IN THE PEDIATRIC AGE BETWEEN REALITY AND MYTH
- 13.00 – 14.00 **LUNCH WORKSHOP**
- 14.00 – 14.30 COFFEE AND VISIT TO THE EXHIBITION HALL
- 14.30 – 15.30 **ORAL COMMUNICATION SESSIONS**
- 15.30 – 16.20 **ROOM A** THE AIRWAY CLEARANCE IN NMD USING MECHANICAL DEVICES. FROM THE ACUTE PHASE TO RETURN HOME. THE INGREDIENTS FOR ENSURING THE PATIENT'S RESPIRATORY STABILITY IN A SUSTAINABLE WAY

**ROOM B** PAEDIATRIC AGE: FROM KNOWLEDGE TO TECHNOLOGIES  
**ROOM C** AIRWAY CLEARANCE TECHNIQUES: EXPERIENCES IN ACTION

- 16.35 – 17.25 **ROOM A** THE USE OF AIRWAY CLEARANCE TECHNIQUES COMPLEMENTARY TO MI-E  
**ROOM B** 6MWT: NEW PERSPECTIVES  
**ROOM C** INSPIRATORY MUSCLE TRAINING (IMT) IN CARDIOPULMONARY REHABILITATION  
**ROOM D** EVIDENCE AND OUTCOME ON EARLY MOBILIZATION IN THE ICU: CLINICAL PRACTICE
- 17.30 – 18.15 **MEETING WITH SCIENTIFIC SOCIETIES**
- 18.15 – 19.00 VISIT THE POSTER AREA
- 19.00 – 22.00 **SCIENTIFIC HAPPY HOUR AND BEST POSTER AND BEST ORAL COMMUNICATION AWARD**

**SATURDAY, 13 MAY 2023**

- 08.00 – 09.30 **PLENARY SESSION** ULTRASOUND IMAGING IN THE ICU: AN EMERGING TOOL FOR RESPIRATORY PHYSIOTHERAPISTS
- 09.30 – 10.00 **KEYNOTE LECTURE** HOW TO ESTABLISH OPTIMAL RESPIRATORY MUSCLE CONDITIONING PROTOCOLS IN CHRONIC AND ACUTE RESPIRATORY CARE
- 10.00 – 11.00 **WORKSHOP**
- 11.00 – 11.30 COFFEE BREAK AND VISIT TO THE EXHIBITION HALL
- 11.30 – 13.00 **ROOM A** NEW FRONTIERS IN THE RESPIRATORY ASSESSMENT OF NEUROMUSCULAR DISEASES  
**ROOM B** PALLIATIVE CARE IN CHRONIC RESPIRATORY DISEASES
- 13.00 – 13.30 BREAK
- 13.30 – 14.00 COFFEE AND VISIT TO THE EXHIBITION HALL
- 14.00 – 15.15 **ROOM A** NEW TECHNOLOGIES FOR AIRWAY CLEARANCE  
**ROOM B** NON-INVASIVE VENTILATION AND SLEEP IN CHILDREN
- 15.30 – 16.45 **PLENARY SESSION** MANAGEMENT OF CHRONIC RESPIRATORY FAILURE IN NMD
- 16.45 – 17.15 CLOSING REMARKS



ROOM WITH SIMULTANEOUS  
TRANSLATION AVAILABLE

09.00 – 10.45 REGISTRATION / *REGISTRAZIONE DEI PARTECIPANTI*

10.45 – 11.00 OPENING SESSION / *APERTURA DEI LAVORI*

PLENARY ROOM



**PLENARY SESSION INNOVATION IN POST-PANDEMIC RESPIRATORY REHABILITATION / INNOVAZIONI NELLA RIABILITAZIONE RESPIRATORIA**

Chairpersons: **Paolo Banfi and Emilia Privitera**

11.00 – 11.20 Use of multimedia platforms in the tele-rehabilitation of chronic cardiorespiratory diseases / *Utilizzo di piattaforme multimediali e tecnologie nella teleriabilitazione delle patologie cardiorespiratorie croniche*  
**Ioannis Vogiatzis**

11.20 – 11.40 Modern Cardio-Pulmonary Rehabilitation: new models and new opportunities after the pandemia / *La riabilitazione cardiopolmonare oggi: nuovi modelli e nuove prospettive dopo la pandemia* **Mara Paneroni**

11.40 – 12.00 Innovative strategies to improve the reach and engagement in pulmonary rehabilitation / *Strategie innovative per aumentare l'accesso e la partecipazione nella riabilitazione cardiorespiratoria* **Martina Santambrogio**

12.00 – 12.30 Questions and answers / *Discussione*

12.45 – 13.45 **LUNCH WORKSHOPS** (with packet lunch)

ROOM A

Supported by **Fisher & Paykel Healthcare**

**HHFT CARE CONTINUUM - RATIONAL MANAGEMENT OF CLINICAL PRACTICE FROM HOSPITAL TO HOME / UMIDIFICAZIONE AD ALTI FLUSSI, CONTINUITÀ DI CURA - GESTIONE RAZIONALE DELLA PRATICA CLINICA DALL'OSPEDALE AL DOMICILIO**

Chairpersons: **Andrea Lanza and Mauro Maniscalco**

12.45 – 13.00 The ARIR Project: Which settings for which objectives during patients' hospital journey / *Il Progetto ARIR: Quale setting per quali obiettivi durante il percorso ospedaliero dei pazienti* **Marta Lazzeri**

13.00 – 13.20 HHFT from Acute to Chronic: same technology in different settings / *Umidificazione ad alti flussi dall'acuto al cronico: la stessa tecnologia in diversi setting di utilizzo* **Claudia Crimi**

13.20 – 13.35 HHFT in Rehabilitation / *Umidificazione ad alti flussi nella riabilitazione del paziente* **Paolo Banfi**

13.35 – 13.45 Questions and answers / *Discussione*

## ROOM B

Supported by **VitalAire****VALUE BASED HEALTH CARE: NEW HORIZONS FOR HOME HEALTH CARE / VALUE BASED HEALTH CARE: NUOVI ORIZZONTI PER L'ASSISTENZA SANITARIA DOMICILIARE**Chairperson: **Francesco D'Abrosca**Speaker: **Alessandra Gandolfo**

- Value Based Health Care's short introduction / *Introduzione sui principi del Value Based Health Care*
- Ongoing projects and outcomes / *Progetti in corso e outcomes attesi*
- Focus on switch Lox to Cox project / *Focus sul progetto switch Lox to Cox*
- Focus on Support to Care project / *Focus sul progetto Support to Care*
- Focus on Pediatric Homecare Ventilation project / *Focus sul progetto di Ventilazione Pediatrica Domiciliare*
- Respiratory Therapist role in the project Value based Health Care / *Il ruolo del Fisioterapista Respiratorio nei progetti Value based Health Care*
- Tool MAIA: Connected care / *Tool MAIA: nuova piattaforma informatica "connected care"*
- Conclusions & Discussion / *Conclusioni e discussione*

13.45 – 14.30 COFFEE AND VISIT TO THE EXHIBITION HALL / *CAFFÈ E VISITA ALL'AREA ESPOSITIVA*14.30 – 15.45 **PARALLEL SESSIONS**

## ROOM A

**AIRWAY CLEARANCE: EVIDENCE IN 2023 / DISOSTRUZIONE BRONCHIALE 2023**Chairpersons: **Francesco D'Abrosca and Veronica Rossi**14.30 – 14.50 Update in airway clearance / *Stato dell'arte in disostruzione bronchiale* **Angela Bellofiore**14.50 – 15.10 Airway clearance: which outcome? / *Outcome in disostruzione bronchiale* **Beatriz Herrero-Cortina**15.10 – 15.30 Airway clearance: a cornerstone only for collaborative patients? / *Disostruzione bronchiale: solo per i pazienti collaboranti?* **Salvatore Musella**15.30 – 15.45 Questions and answers / *Discussione*

## ROOM B

**THE EMERGING REALITY OF CARDIOPULMONARY REHABILITATION / LA REALTÀ EMERGENTE DELLA RIABILITAZIONE CARDIO-RESPIRATORIA**Chairpersons: **Paolo Banfi and Marta Lazzeri**14.30 – 14.50 Outcome measures and indications in cardiopulmonary rehabilitation / *Indici di risultato e appropriatezza in riabilitazione cardiorespiratoria* **Michele Vitacca**14.50 – 15.10 The future of Italian cardiac rehabilitation / *Il futuro della riabilitazione cardiologica in Italia nel PNRR* **Nuccia Morici**15.10 – 15.30 Milestone and gaps in the knowledge of the Italian cardiac physiotherapist / *Certezze ed esigenze formative del fisioterapista cardiologico in Italia* **Anastasia Toccafondi**15.30 – 15.45 Questions and answers / *Discussione***Simultaneous Translation available**

16.00 – 17.15 **PARALLEL SESSIONS**

ROOM A

**THE EVALUATION AS A GUIDE TO THE TREATMENT IN PULMONARY REHABILITATION / LA VALUTAZIONE COME GUIDA AL TRATTAMENTO NELLA RIABILITAZIONE POLMONARE**Chairpersons: **Giuseppe Gaudiello and Martina Santambrogio**

- 16.00 – 16.20 Physiology of exertional dyspnoea in chronic respiratory diseases: from assessment to clinical management / *Fisiologia della dispnea da sforzo nelle patologie respiratorie croniche: dalla valutazione alla gestione clinica* **Michele Vitacca**
- 16.20 – 16.40 Ventilatory devices during training: what to evaluate to choose the right support / *Supporti ventilatori durante allenamento: cosa valutare per scegliere il giusto supporto* **Raffaella Bellini**
- 16.40 – 17.00 Multidimensional assessment of the patient with respiratory disease / *Valutazione multidimensionale del paziente con patologia respiratoria* **Martijn A. Spruit**
- 17.00 – 17.15 Questions and answers / *Discussione*

ROOM B

**NIV IN COPD BEYOND ACUTE / NIV NELL'INSUFFICIENZA RESPIRATORIA: OLTRE L'ACUTO**Chairpersons: **Ivan Chiusa and Maurizio Sommariva**

- 16.00 – 16.15 NIV in acute and stable respiratory failure / *La NIV nella BPCO in fase acuta e cronica* **Paolo Tarsia**
- 16.15 – 16.30 NIV in the Overlap Syndrome / *La NIV nella sindrome Overlap* **Marco Mantero**
- 16.30 – 16.45 NIV monitoring in COPD patients / *Il monitoraggio dell'efficacia della ventilazione nel paziente BPCO* **Andrea Lanza**
- 16.45 – 17.00 Practical issues related to prescribed devices (CPAP-NIV-O2) / *Aspetti pratici e problematiche relative ai dispositivi prescritti* **Luca Roberti**
- 17.00 – 17.15 Questions and answers / *Discussione*
- 17.15 – 17.45 COFFEE AND VISIT TO THE EXHIBITION HALL / *CAFFÈ E VISITA ALL'AREA ESPOSITIVA*

PLENARY ROOM


**PLENARY SESSION ARIR-RESPIRIAMO INSIEME-APS: PROJECT PRESENTATION DEVICE4PATIENTS / ARIR-RESPIRIAMO INSIEME - APS: PRESENTAZIONE PROGETTO DEVICE4PATIENTS**Chairpersons: **Simona Barbaglia and Martina Santambrogio****PLENARY SESSION FOCUS IN LARYNX – THE ENTRANCE TO THE AIRWAY / FOCUS SULLA LARINGE - LA PORTA D'INGRESSO DELLE VIE AERE**Chairpersons: **Paolo Banfi, Irene Battel and Sara Mariani**

- 18.00 – 18.20 How to assess the larynx during functional tasks? / *Come valutare la funzione laringea?* **Maria Vollsæter**
- 18.20 – 18.40 Evaluation of the upper airway: implications in ventilation and cough efficacy / *Vie aeree superiori e implicazioni su ventilazione ed efficacia della tosse* **Tiina Andersen**
- 18.40 – 19.00 Larynx beyond breathing / *La laringe, oltre il respiro* **Manuela Locatelli**
- 19.00 – 19.15 Questions and answers / *Discussione*



- 08.30 – 09.30 **PLENARY SESSION ARIR -AIPO JOINT SESSION / SESSIONE CONGIUNTA ARIR-AIPO**  
**PHYSIOTHERAPIST-PNEUMOLOGIST ALLIANCE IN DIFFERENT HEALTHCARE SCENARIOS /**  
**L'ALLEANZA FISIOTERAPISTA-PNEUMOLOGO NEI DIVERSI SCENARI DELLA SALUTE**  
 *Paolo Banfi, Francesco D'Abrosca, Andrea Lanza, Franco Pasqua, Simone Salvitti*
- 09.30 – 10.00 **KEYNOTE LECTURE WHAT'S NEW IN BRONCHIECTASIS? DIAGNOSIS, MANAGEMENT AND TREATMENT**  
**/ LE NOVITÀ NELLE BRONCHIECTASIE? DIAGNOSI, GESTIONE E TRATTAMENTO**  
 *Stefano Aliberti*
- 10.00 – 11.00 **WORKSHOP** Supported by **Medigas**  
**THE ASSESSMENT OF PULMONARY FUNCTION USING OSCILLOMETRY / VALUTAZIONE DELLA**  
**FUNZIONALITÀ RESPIRATORIA TRAMITE OSCILLOMETRIA**  
 Speaker: *Chiara Venerone*
- 11.00 – 11.30 COFFEE BREAK AND VISIT TO THE EXHIBITION HALL / COFFEE BREAK E VISITA ALL'AREA ESPOSITIVA

**PARALLEL SESSIONS**

-  **TRAINING IN CHRONIC RESPIRATORY DISORDERS: IN BALANCE BETWEEN STRESS AND SUSTAINABILITY /**  
**ALLENAMENTO NELLE PATOLOGIE RESPIRATORIE CRONICHE: IN BILICO TRA STRESS E SOSTENIBILITÀ**  
 Chairpersons: *Giuseppe Gaudiello and Martina Santambrogio*
- 11.30 – 11.50 From the muscle to the lung: the impact of exercise training / Dal muscolo al polmone: impatto del training  
*Ioannis Vogiatzis*
- 11.50 – 12.10 Impact of fatigue on COPD patient performance / Impatto della fatica sulla performance del paziente COPD  
*Mara Paneroni*
- 12.10 – 12.30 Beyond the guidelines: new training strategies / Oltre le linee guida: nuove strategie di training  
*Martijn A. Spruit*
- 12.30 – 12.45 Questions and answers / *Discussione*



ROOM B



**THE SURGICAL PATIENT FROM PREOPERATIVE EVALUATION TO INTENSIVE CARE /  
IL PAZIENTE CHIRURGICO DALLA VALUTAZIONE PREOPERATORIA ALLA TERAPIA INTENSIVA**

Chairpersons: **Marta Lazzeri, Emilia Privitera and Luigi Santambrogio**

- 11.30 – 11.50 How preoperative assessment can guide the treatment of the surgical patient? / *Come la valutazione preoperatoria può guidare il trattamento del paziente chirurgico?* **Veronica Rossi**
- 11.50 – 12.10 Airways clearance in the surgical patient: from evaluation to treatment / *Disostruzione bronchiale nel paziente chirurgico: dalla valutazione al trattamento* **Raffaella Bellini**
- 12.10 – 12.30 Non invasive respiratory support following extubation in critically ill patients / *Supporto respiratorio non invasivo dopo l'estubazione in pazienti critici* **Caroline Botteau**
- 12.30 – 12.45 Questions and answers / *Discussione*

ROOM C

**EXERCISE TRAINING IN CARDIAC REHABILITATION / TRAINING FISICO NELLA RIABILITAZIONE CARDIOLOGICA**

Chairpersons: **Paolo Banfi and Anastasia Toccafondi**

- 11.30 – 11.45 Cardiac rehabilitation in the acute phase: state of the art / *La cardiologia riabilitativa in fase acuta: stato dell'arte* **Maria Letizia Zuccotti**
- 11.45 – 12.00 High intensity interval training for cardiac patients / *High intensity interval training nel paziente cardiopatico* **Gabriele Maglio**
- 12.00 – 12.15 Strength training in cardiac patients: more risks or benefits? / *Training alla forza nel paziente cardiopatico: più rischi o più benefici?* **Dominique Hansen**
- 12.15 – 12.30 Innovation and digital health in cardiac rehabilitation / *Innovazione e digitalizzazione nelle attività di riabilitazione cardiologica* **Antonio Mazza**
- 12.30 – 12.45 Questions and answers / *Discussione*

ROOM D

**PALLIATIVE CARE IN THE PEDIATRIC AGE BETWEEN REALITY AND MYTH /  
CURE PALLIATIVE IN ETÀ PEDIATRICA TRA REALTÀ E MITO**

Chairpersons: **Alessandro Amaddeo and Barbara Garabelli**

- 11.30 – 11.50 Physiotherapy and palliative care: role and skills / *Il fisioterapista nella palliazione: ruolo e competenze* **Danila Brusa**
- 11.50 – 12.10 Care pathways: from neonatology to pediatrics / *Percorsi di cura: dalla neonatologia alla pediatria* **Alessia Rocchi**
- 12.10 – 12.30 Palliative care in the pediatric age: reality and everyday life / *Cure palliative in età pediatrica: la realtà e il quotidiano* **Federico Pellegatta**
- 12.30 – 12.45 Questions and answers / *Discussione*

13.00 – 14.00 **LUNCH WORKSHOP** (with packet lunch)

Supported by **ResMed**

**A NEW VIEW FOR VENTILATION: DIGITAL TOOLS FOR IMPROVING YOUR THERAPY / UN NUOVO  
APPROCCIO ALLA VENTILAZIONE: STRUMENTI DIGITALI PER MIGLIORARE LA TERAPIA**

Speakers: **Andrea Lanza and Maurizio Sommariva**

14.00 – 14.30 COFFEE AND VISIT TO THE EXHIBITION HALL / CAFFÈ E VISITA ALL'AREA ESPOSITIVA

14.30 – 15.30 **ORAL COMMUNICATION SESSIONS / COMUNICAZIONI ORALI**

Chairpersons: **Cesare Del Monaco and Sara Mariani**

14.30 **COMPARISON BETWEEN TWO CPAP ADMINISTRATION MODES FOR THE PHYSIOTHERAPY TREATMENT  
OF CARDIAC SURGERY PATIENTS: A RETROSPECTIVE STUDY**

*Rasetti F., Bellini R., Castegnaro M., Di Fabio M., Meschi A., Mignolli R., Saba N. and Lamberti P.*

**Verona - Italy**

14.45 **NON-INVASIVE VENTILATION FOR THE EARLY EXTUBATION OF A VERY SEVERE COPD PATIENT AFTER  
OESOPHAGECTOMY: A CASE REPORT**

*Tarello D., Giogà F., De Martini P., Monti G. and Lazzeri M.*

**Milan - Italy**

15.00 **EARLY RESPIRATORY PHYSIOTHERAPY IN THE FIRST PULMONARY TRANSPLANT FROM A LIVING  
DONOR IN ITALY**

*Moretti E., Viganò M., Gorghelli G., Brignoli E., Piazzalunga F. and Mazza A.*

**Bergamo - Italy**



Chairpersons: *Sara Lupone and Veronica Rossi*

- 14.30 **SHORT-TERM VARIATION OF AN ATELECTASIS SCORE AFTER HIGH-FREQUENCY PERCUSSIONS IN PEOPLE WITH SEVERE ACQUIRED BRAIN INJURY: A RETROSPECTIVE PILOT STUDY**

*Sciurello S., Graziano F., Laganà M., Compalati E., Pappacoda G., Navarro J., Gambazza S., Lazzeri M., Cecconi P., Baglio F., Pierucci P. and Banfi P.*

**Milan, Bari - Italy**

- 14.45 **RELATIONSHIP BETWEEN ACTIVATION OF EXTRADIAPHRAGMATIC INSPIRATORY MUSCLES AND INSPIRATORY EFFORT DURING DIFFERENT BREATHING CONDITIONS IN A PATIENT WITH WEANING DIFFICULTIES**

*Poddighe D., Van Hollebeke M., Clerckx B., Muller J., Hermans G., Gosselink R. and Langer D.*

**Leuven - Belgium**

- 15.00 **WEANING FROM INVASIVE VENTILATION IN A MULTIDISCIPLINARY REHABILITATION SETTING IN A PATIENT WITH A DOUBLE TROUBLE: GUILLAIN-BARRÉ-STROHL SYNDROME AND MYOTONIC DYSTROPHY TYPE 1**

*Gallivanone C., Becchiati S., De Mattia E., Cima A., Consonni M., Gatti V., Latini S., Lops J., Roncoroni C., Carraro E., Giunta V., Battaglia E. Colacicco G. and Sansone V.*

**Milan - Italy**

Chairpersons: *Salvatore Caiffa and Martina Santambrogio*

- 14.30 **TIDAL VOLUME VARIATION DURING DIURNAL VENTILATORY SUPPORT AND AIR-STACKING AND MECHANICAL ASSISTED COUGH IN NEUROMUSCULAR PATIENTS WITH SEVERE VENTILATORY DYSFUNCTION**

*Passos Conceição N., Braun M., Vidigal-Lopes M. and Gonçalves M.*

**Porto - Portugal and Belo Horizonte - Brazil**

- 14.45 **DIAPHRAGMATIC ULTRASOUND AS AN AID IN SETTING UP THE COUGH MACHINE IN CRITICALLY ILL PATIENT**

*Longoni A., Bassino C., Cappelletti T., Frassanito F., Fusetti L., Concas G., Vago M. and Paddeu A.*

**Como - Italy**

- 15.00 **THERAPEUTIC PRESSURE OF CPAP AND ANTHROPOMETRIC CHARACTERISTICS: IS THERE A REAL CORRELATION?**

*Messina M., Salina C., Cattaneo S., Sforzi S., Vellata C., Belli S. and Braghiroli A.*

**Milano, Novara - Italy**

Chairpersons: *Simone Salvitti and Anastasia Toccafondi*

14.30 **DEVELOPMENT OF A MODEL FOR PULMONARY REHABILITATION OUTPATIENT SERVICE IN CHRONIC RESPIRATORY DISORDERS**

*Giuliani M., Marchetti S., Zappini A., Maffei D., Nardelli R., Morandi M. and Cecchetto S.*

**Arco , Trento - Italy**

14.45 **PREHABILITATION AND HEART FAILURE: MAIN OUTCOMES IN THE COVID-19 ERA**

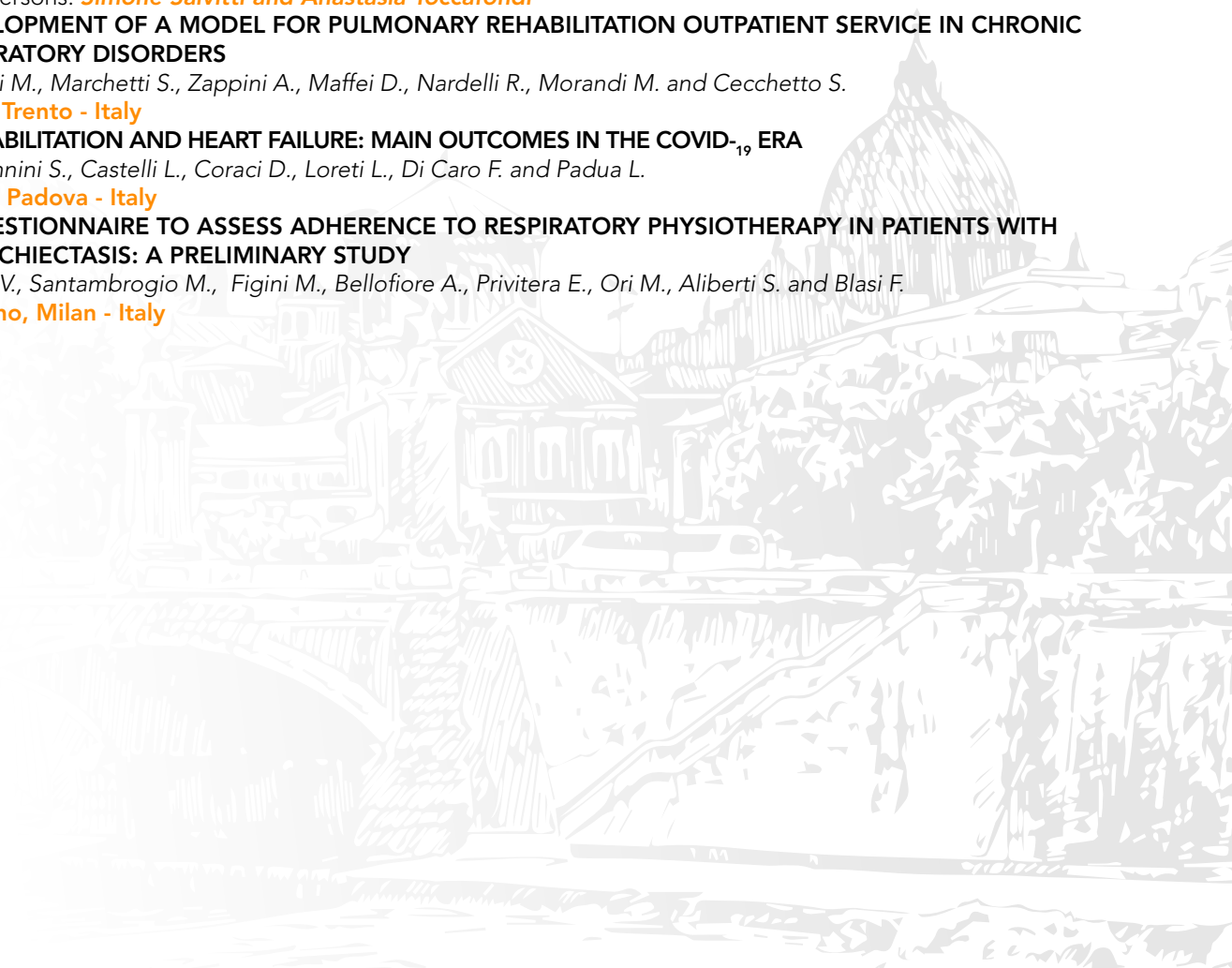
*Giovannini S., Castelli L., Coraci D., Loreti L., Di Caro F. and Padua L.*

**Rome, Padova - Italy**

15.00 **A QUESTIONNAIRE TO ASSESS ADHERENCE TO RESPIRATORY PHYSIOTHERAPY IN PATIENTS WITH BRONCHIECTASIS: A PRELIMINARY STUDY**

*Polelli V., Santambrogio M., Figini M., Bellofiore A., Privitera E., Ori M., Aliberti S. and Blasi F.*

**Rozzano, Milan - Italy**



15.30 – 16.20 **MINI SYMPOSIA**

ROOM A



**THE AIRWAY CLEARANCE IN NMD USING MECHANICAL DEVICES. FROM THE ACUTE PHASE TO RETURN HOME. THE INGREDIENTS FOR ENSURING THE PATIENT'S RESPIRATORY STABILITY IN A SUSTAINABLE WAY / LA DISOSTRUZIONE TRAMITE DISPOSITIVI MECCANICI NELLE NMD. DALLA FASE ACUTA AL RIENTRO AL DOMICILIO. GLI INGREDIENTI PER GARANTIRE LA STABILITÀ RESPIRATORIA DEL PAZIENTE IN MODO SOSTENIBILE**

15.30 – 16.20

Chairperson: **Tiago Pinto**Speakers: **Tiina Andersen, Michel Chatwin, Barbara Garabelli, Miguel Gonçalves, Sara Lupone and Maurizio Sommariva**

ROOM B

**PAEDIATRIC AGE: FROM KNOWLEDGE TO TECHNOLOGIES / ETÀ PEDIATRICA: DALLA CONOSCENZA ALL'UTILIZZO DELLE TECNOLOGIE**

Chairperson: **Matteo Masolini**

15.30 – 15.50

Lung ultrasound in children evaluation / L'utilizzo dell'ecografia polmonare nel bambino **Alessandra Boni**

15.50 – 16.10

Evaluation and measurement of ineffective cough in the uncooperative child / Valutazione e misurazione della tosse inefficace nel bambino non collaborante **Alessandro Amaddeo**

16.10 – 16.20

Questions and answers / Discussione

ROOM C

**AIRWAY CLEARANCE TECHNIQUES: EXPERIENCES IN ACTION (INTERMITTENT ASSISTED EXHALATION, INTRAPULMONARY PERCUSSION AND OSCILLATION, EXPIRATORY FLOW ACCELERATOR, POSITIVE EXPIRATORY PRESSURE) / TECNICHE DI DISOSTRUZIONE BRONCHIALE: ESPERIENZE SUL CAMPO (ESPIRAZIONE ASSISTITA INTERMITTENTE, OSCILLAZIONI E PERCUSSIONI INTRAPOLMONARI, ACCELERAZIONE DEL FLUSSO ESPIRATORIO, PRESSIONE POSITIVA ESPIRATORIA)**

15.30 – 16.20

Chairpersons: **Angela Bellofiore, Beatriz Herrero-Cortina and Martina Santambrogio**Speakers: **Salvatore Caiffa, Maddalena Genco and Soo-Kyung Strambi**

16.35 – 17.25 **MINI SYMPOSIA**

ROOM A

**THE USE OF AIRWAY CLEARANCE TECHNIQUES COMPLEMENTARY TO MI-E /****L'UTILIZZO DI TECNICHE DI DISOSTRUZIONE COMPLEMENTARI ALLA MACCHINA DELLA TOSSE**Chairperson: **Francesco D'Abrosca**16.35 – 16.43 The role of NIV / *L'uso della NIV* **Miguel Gonçalves**16.43 – 16.51 The role of IPV / *L'uso dell'IPV* **Salvatore Sciurello**16.51 – 16.59 The role of HFCWO / *L'uso della HFCWO* **Paolo Buonpensiero**16.59 – 17.07 The Role of LVR / *L'uso dell'LVR* **Tiago Pinto**17.07 – 17.15 The role of EFA / *L'uso dell'EFA* **Stefano Belli**17.15 – 17.25 Questions and answers / *Discussione*

ROOM B

**6MWT: NEW PERSPECTIVES / IL TEST DEL CAMMINO: NUOVE PROSPETTIVE**Chairperson: **Franco Pasqua**16.35 – 16.55 6MWT step by step / *6MWT: passo dopo passo* **Maddalena Genco**16.55 – 17.15 6MWT and Wearable Inertial Sensor for Gait Analysis / *6MWT e il sensore inerziale indossabile per l'analisi del cammino* **Gaetano Pagano**17.15 – 17.25 Questions and answers / *Discussione*

ROOM C

**INSPIRATORY MUSCLE TRAINING (IMT) IN CARDIOPULMONARY REHABILITATION / L'ALLENAMENTO DEI MUSCOLI RESPIRATORI NEL PAZIENTE CARDIORESPIRATORIO**16.35 – 17.25 Chairperson: **Giuseppe Gaudiello**Speakers: **Gabriele Maglio and Diego Poddighe**

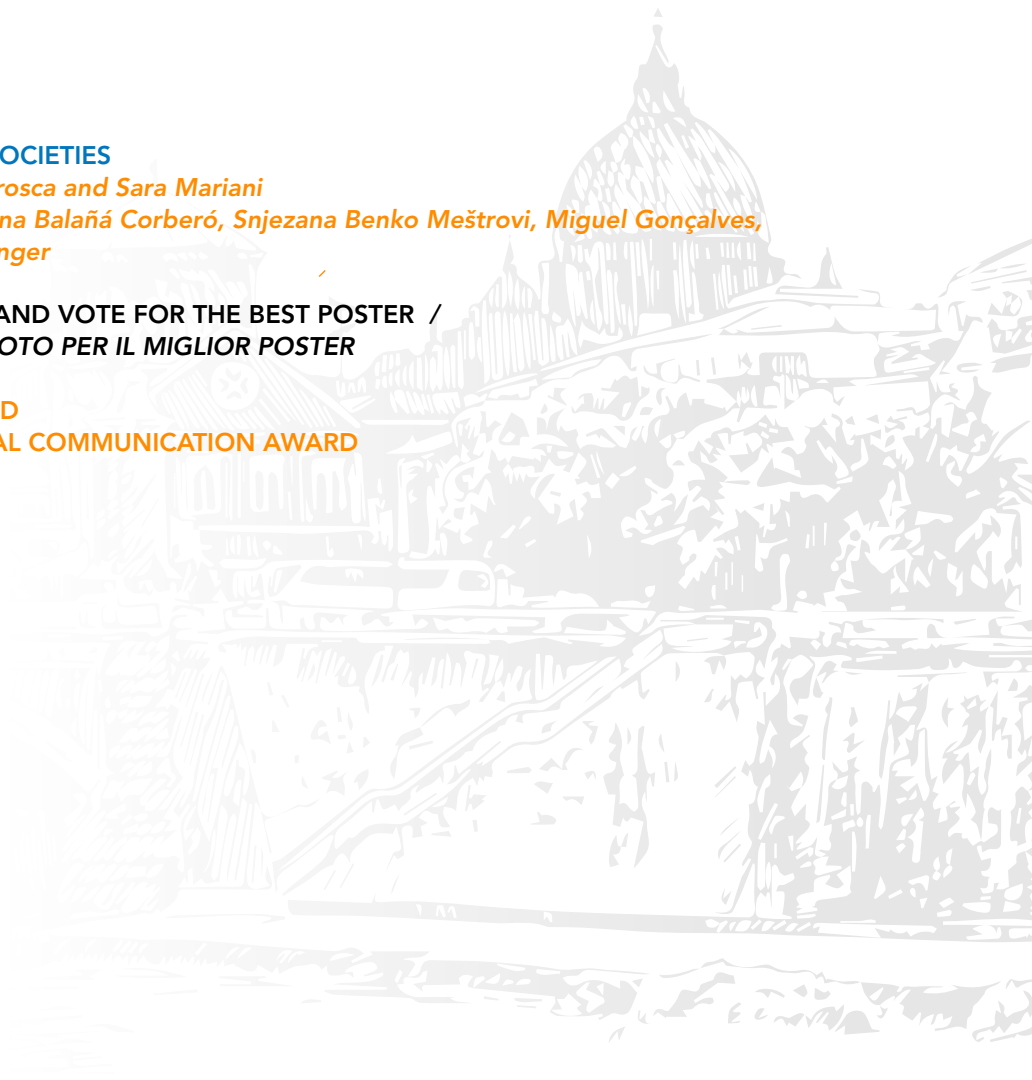
ROOM D

**EVIDENCE AND OUTCOME ON EARLY MOBILIZATION IN THE ICU: CLINICAL PRACTICE / OUTCOME ED EVIDENZE NELLA MOBILIZZAZIONE PRECOCE IN TERAPIA INTENSIVA: ESPERIENZE CONDIVISE**16.35 – 17.25 Chairperson: **Sara Mariani**Speakers: **Caroline Botteau, Salvatore Caiffa and Veronica Rossi**

17.30 – 18.15 **MEETING WITH SCIENTIFIC SOCIETIES**

Chairpersons: *Francesco D'Abrosca and Sara Mariani*

Speakers: *Michelle Chatwin, Ana Balañá Corberó, Snjezana Benko Meštrovi, Miguel Gonçalves, Kathleen Grant and Daniel Langer*

18.15 – 19.00 **VISIT TO THE POSTER AREA AND VOTE FOR THE BEST POSTER /  
VISITA ALL'AREA POSTER E VOTO PER IL MIGLIOR POSTER**19.00 – 22.00 **SCIENTIFIC HAPPY HOUR AND  
BEST POSTER AND BEST ORAL COMMUNICATION AWARD**



08.00 – 09.30 **PLENARY SESSION**

**ULTRASOUND IMAGING IN THE ICU: AN EMERGING TOOL FOR RESPIRATORY PHYSIOTHERAPISTS / L'ECOGRAFIA IN TERAPIA INTENSIVA: UNO STRUMENTO EMERGENTE PER I FISIOTERAPISTI RESPIRATORI**

Chairpersons: **Enzo Sapienza and Valeria Tombini**

08.00 – 08.20 Clinical utility of lung ultrasound in the ICU to guide airway / Impiego clinico dell'ecografia polmonare in terapia intensiva per guidare la clearance delle vie aeree **Salvatore Caiffa**

08.20 – 08.40 Ultrasound for the assessment of peripheral skeletal muscle in the ICU / La valutazione ecografica del muscolo periferico in terapia intensiva **Michele Umbrello**

08.40 – 09.00 Respiratory muscle ultrasound during weaning: why, when and evidence on clinical utility / Ecografia dei muscoli respiratori durante lo svezzamento: perché, quando ed evidenze sull'utilità clinica **Aymeric Le Neindre**

09.00 – 09.30 Questions and answers / Discussione

09.30 – 10.00 **KEYNOTE LECTURE**

**HOW TO ESTABLISH OPTIMAL RESPIRATORY MUSCLE CONDITIONING PROTOCOLS IN CHRONIC AND ACUTE RESPIRATORY CARE / COME DEFINIRE PROTOCOLLI OTTIMALI DI RICONDIZIONAMENTO DEI MUSCOLI RESPIRATORI IN ACUTO ED IN CRONICO**

**Daniel Langer**

10.00 – 11.00 **WORKSHOP**

Supported by **Medicair**

**RESPIRATORY TELEREHABILITATION: FROM THEORY TO PRACTICE / TELERIABILITAZIONE RESPIRATORIA: PRINCIPI GENERALI E VALUTAZIONE AD INTERIM DEL SISTEMA DIGITALE MedicRehApp**

- Opportunities and applications of tele-rehabilitation in patients with chronic respiratory disease / Opportunità e campi di applicazione della teleriabilitazione nei pazienti con patologia respiratoria cronica **Michele Vitacca**
- The MedicRehApp digital medical device: features and intended use / Il sistema digitale integrato MedicRehApp: rationale e modalità di utilizzo **Chiara Giuseppina Beccaluva**
- MedicRehApp: preliminary data from the validation study / Dati preliminari di efficacia e sicurezza dello studio di validazione **Mara Paneroni**

11.00 – 11.30 COFFEE BREAK AND VISIT TO THE EXHIBITION HALL / COFFEE BREAK E VISITA ALL'AREA ESPOSITIVA



**Simultaneous Translation available**

## 11.30 – 13.00 PARALLEL SESSIONS

## ROOM A


**NEW FRONTIERS IN THE RESPIRATORY ASSESSMENT OF NEUROMUSCULAR DISEASES / NUOVE FRONTIERE NELLA VALUTAZIONE RESPIRATORIA DEL PAZIENTE NEUROMUSCOLARE**

 Chairpersons: **Miguel Gonçalves and Sara Lupone**

- 11.30 – 11.45 Cough machine titration during laryngoscopy, examples of feasibility. Limitations and indications / *La titolazione della macchina della tosse durante laringoscopia, esempi di fattibilità. Limiti e indicazioni* **Tiina Andersen**
- 11.45 – 12.00 The assessment of patient-ventilator asynchronies using integrated and non-integrated monitoring systems / *La valutazione delle asincronie paziente-ventilatore con l'utilizzo di sistemi di monitoraggio integrati e non integrati* **Tiago Pinto**
- 12.00 – 12.15 Use of nocturnal capnometry for early detection of nocturnal hypoventilation in NMD / *Usò della capnometria notturna per l'individuazione precoce dell'ipoventilazione notturna nelle NMD* **Annalisa Carlucci**
- 12.15 – 12.30 The use of chest ultrasound in the evaluation of the neuromuscular patient / *L'uso dell'ecografia toracica nella valutazione del paziente neuromuscolare* **Valeria Tombini**
- 12.30 – 13.00 Questions and answers / *Discussione*

## ROOM B

**PALLIATIVE CARE IN CHRONIC RESPIRATORY DISEASES / LE CURE PALLIATIVE NELLE PATOLOGIE RESPIRATORIE CRONICHE**

 Chairpersons: **Stefania Greco and Marta Lazzeri**

- 11.30 – 11.45 Elisa's story: is palliation the rehabilitation failure? / *La storia di Elisa: la palliazione è il fallimento della riabilitazione?* **Salvatore Sciurello**
- 11.45 – 12.00 Dying with chronic respiratory diseases: how, where and for what / *Di cosa, come e dove muoiono i malati respiratori* **Carlo Barbetta**
- 12.00 – 12.15 When, how, where and why to initiate palliative care in chronic respiratory diseases / *Quando, come, dove e perché attivare le cure palliative nelle patologie respiratorie croniche* **Antonella Serafini**
- 12.15 – 12.30 Rehabilitation and palliative care. Are they in continuum or separated interventions? / *Riabilitazione e palliazione. Interventi distinti o continuum nella gestione dei pazienti affetti da patologie respiratorie croniche?* **Barbara Garabelli**
- 12.30 – 13.00 Questions and answers / *Discussione*

13.00 – 13.30 BREAK

 13.30 – 14.00 COFFEE AND VISIT TO THE EXHIBITION HALL / *CAFFÉ E VISITA ALL'AREA ESPOSITIVA*

14.00 – 15.15 **PARALLEL SESSIONS**

ROOM A


**NEW TECHNOLOGIES FOR AIRWAY CLEARANCE / NUOVE TECNOLOGIE A SERVIZIO DELLA DISOSTRUZIONE BRONCHIALE**

 Chairpersons: **Angela Bellofiore and Michelle Chatwin**

- 14.00 – 14.20 New technologies for airway clearance: the right choice for the (right) patient / Nuovi strumenti per la disostruzione bronchiale: qual è la scelta migliore per il paziente? **Stefano Belli**
- 14.20 – 14.40 Feasibility of telehealth for airway clearance techniques / La telemedicina a supporto della disostruzione bronchiale **Beatriz Herrero-Cortina**
- 14.40 – 15.00 MI-E outside neuromuscular diseases / Macchina della tosse: non solo per pazienti neuromuscolari **Barbara Garabelli**
- 15.00 – 15.15 Questions and answers / Discussione

ROOM B

**NON-INVASIVE VENTILATION AND SLEEP IN CHILDREN / LA VENTILAZIONE NON INVASIVA E IL SONNO IN ETÀ PEDIATRICA**

 Chairpersons: **Renato Cutrera and Alessandra Mariani**

- 14.00 – 14.15 Sleep disordered breathing in children: implication in NIV setting / I disturbi respiratori del sonno nel bambino: implicazioni nella ventilazione non invasiva **Alessandro Amaddeo**
- 14.15 – 14.30 How to evaluate sleep disordered breathing in children: from overnight pulse oximetry to polysomnography / Come monitorare il respiro nel sonno nel bambino: dalla pulsossimetria notturna alla polisomnografia **Annalisa Rubino**
- 14.30 – 14.45 How to start NIV in children / L'adattamento alla NIV in pediatria **Matteo Masolini**
- 14.45 – 15.00 Role of Respiratory physiotherapy to avoid NIV failure in pediatric patients / Il ruolo della fisioterapia respiratoria per evitare il fallimento della NIV **Miguel Gonçalves**
- 15.00 – 15.15 Questions and answers / Discussione



15.30 – 16.45 **PLENARY SESSION**



**MANAGEMENT OF CHRONIC RESPIRATORY FAILURE IN NMD / GESTIONE DELL'INSUFFICIENZA  
RESPIRATORIA CRONICA NELLE NMD**

Chairpersons: **Francesco D'Abrosca and Matteo Siciliano**

15.30 – 15.45 Airway clearance techniques in neuromuscular disorders, new insights in the use of mechanical in-exsufflation /  
*Tecniche di disostruzione nelle malattie neuromuscolari, nuove conoscenze sull'uso dell'in-essufflazione meccanica*

**Michelle Chatwin**

15.45 – 16.00 Intermittent abdominal pressure ventilation: feasibility and efficacy in neuromuscular diseases / *IAPV: fattibilità  
ed efficacia nelle patologie neuromuscolari* **Maurizio Sommariva**

16.00 – 16.15 Mouthpiece ventilation in neuromuscular diseases / *La ventilazione col boccaglio nelle NMD* **Miguel Gonçalves**

16.15 – 16.45 Questions and answers / *Discussione*

16.45 – 17.15 CLOSING REMARKS / *CHIUSURA DEI LAVORI*



# SCIENTIFIC INFORMATION

## LANGUAGE

Italian and English are the official languages of the Congress. Simultaneous translation (English/Italian) will be available only during Plenary Sessions and where indicated on the program.

## COMPUTER CENTER

Speakers are kindly requested to use Powerpoint. A Computer Center will be available in the Congress Area. To allow a smooth running of sessions, Speakers are requested to contact this center and hand in their memory stick at least one hour before the beginning of their session or the previous afternoon for the morning sessions.

## ECM ACCREDITATION

The program of the 5th International Conference on Respiratory Physiotherapy has been submitted with 5,4 credits for Italian Continuing Medical Education, for the following roles: physician (pneumologist, anesthesist, pediatric), nurse and physiotherapist.

## POSTER SESSION

**1. RESPIRATORY PHYSIOTHERAPY IN CHILDHOOD: A SURVEY IN SICILIAN HEALTH FACILITIES**

*Alessia Ippolito and Alessandra Pendino*

Palermo - Italy

**2. AIRWAY CLEARANCE WITH EXPIRATORY FLOW ACCELERATOR TECHNOLOGY IN SEVERE ACQUIRED BRAIN INJURY: A CASE SERIES**

*Di Matteo Andrea, Lazzeri Marta, Pezzi Letizia, Barattini Martina and D'Abrosca Francesco*

Codogno, Milan, Cremona, Porto Potenza Picena, Novara, Alessandria - Italy

**3. THERAPEUTIC PRESSURE OF CPAP AND ANTHROPOMETRIC CHARACTERISTICS: IS THERE A REAL CORRELATION?**

*M. Messina, C. Salina, S. Cattaneo, S. Sforzi, C. Vellata, S. Belli and A. Braghiroli*

Gallarate, Veruno - Italy

**4. HOME BASED PHYSIOTHERAPY WITH AEROBIC OR STRENGTH TRAINING IN PATIENTS WITH PULMONARY EMPHYSEMA. COMPARISON OF FUNCTIONAL OUTCOMES: CASE REPORT**

*Gabriele Maria Maglio*

Milan - Italy

**5. EARLY REHABILITATION PROGRAM IN CRITICAL PATIENTS: EFFECTS ON LENGTH OF STAY AND MORTALITY. A LITERATURE REVIEW**

*M. Messina, N. Benitez, S. Voltolin, and G.C. Tonetti*

Gallarate, Varese - Italy

**6. PREHABILITATION AND HEART FAILURE: MAIN OUTCOMES IN THE COVID-19 ERA**

*Silvia Giovannini, Castelli L., Coraci D., Loreti L., Di Caro F. and Padua L.*

Rome, Padova - Italy

**7. AN INNOVATIVE MULTIDISCIPLINARY REHABILITATION PROGRAM IN COVID 19 SEVERE DISEASE: THE IMPORTANCE OF PHYSIOTHERAPY IN THE PULMONARY RECOVERY**

*M. Oleari, M. Crocetti, MV Botti and M. Cupisti*

Tuscany - Italy

**8. THE USE OF NON INVASIVE VENTILATION TO DECANNULATE SPINAL CORD INJURY PATIENTS**

*Marta Marin, Petra Subert, Maurizio Sommariva and Ivan Chiusa*

Milan - Italy

**10. RELATIONSHIP BETWEEN ACTIVATION OF EXTRADIAPHRAGMATIC INSPIRATORY MUSCLES AND INSPIRATORY EFFORT DURING DIFFERENT BREATHING CONDITIONS IN A PATIENT WITH WEANING DIFFICULTIES**

*Diego Poddighe, Marine Van Hollebeke, Beatrix Clerckx, Jan Muller, Greet Hermans, Rik Gosselink and Daniel Langer*

Leuven - Belgium

**11. NON-INVASIVE VENTILATION FOR THE EARLY EXTUBATION OF A VERY SEVERE COPD PATIENT AFTER OESOPHAGECTOMY: A CASE REPORT**

*Tarello Davide, Giogà Francesca, De Martini Paolo, Monti Gianpaola and Lazzeri Marta*

Milan - Italy

**12.** COMPARISON BETWEEN TWO CPAP ADMINISTRATION MODES FOR THE PHYSIOTHERAPY TREATMENT OF CARDIAC SURGERY PATIENTS: A RETROSPECTIVE STUDY

*Rasetti F, Bellini R, Castegnaro M, Di Fabio MC, Meschi A, Mignolli R, Saba N and Lamberti P*

Verona - Italy

**13.** RESPIRATORY AND PHYSICAL THERAPY IN ICU AFTER LIVER TRANSPLANTATION FOR ACUTE-ON-CHRONIC LIVER FAILURE: A CASE REPORT

*Tarello Davide, Giogà Francesca, Becchetti Chiara, Perricone Giovanni, Lauterio Andrea, Monti Gianpaola and Lazzeri Marta*

Milan - Italy

**14.** EFFETTI DELLA VENTILAZIONE PERCUSSIVA INTRAPOLMONARE (IPV) NEL PAZIENTE ADULTO IN TERAPIA INTENSIVA: REVISIONE SISTEMATICA E META-ANALISI

*Montigiani G., Papi D., Sinisgallo T., Bucciardini L., Santini S. and Vicentini L.*

Florence, Como - Italy

**15.** DEVELOPMENT OF A MODEL FOR PULMONARY REHABILITATION OUTPATIENT SERVICE IN CHRONIC RESPIRATORY DISORDERS

*M. Giuliani, S. Marchetti, A. Zappini, D. Maffei, R. Nardelli, M. Morandi and S. Cecchetto*

Arco, Trento - Italy

**16.** EARLY RESPIRATORY PHYSIOTHERAPY IN THE FIRST PULMONARY TRANSPLANT FROM A LIVING DONOR IN ITALY

*Moretti E., Viganò M., Gorghelli G., Brignoli E., Piazzalunga F. and Mazza A.*

Bergamo - Italy

**17.** DIAPHRAGMATIC ULTRASOUND AS AN AID IN SETTING UP THE COUGH MACHINE IN CRITICALLY ILL PATIENT

*Longoni A., Bassino C., Cappelletti T., Frassanito F., Fusetti L., Concas G., Vago M. and Paddeu A.*

Cantù - Italy

**18.** TREATMENT OF SEVERE ATELECTASIS IN A COMPLEX COPD PATIENT WITH THE I/E MODE: A CASE STUDY

*Maria de los Angeles Cacciolatto, Chiara Burke, Cinzia Mollar, Mario Zerbini and Francesco D'Abrosca*

Turin - Italy

**19.** A QUESTIONNAIRE TO ASSESS ADHERENCE TO RESPIRATORY PHYSIOTHERAPY IN PATIENTS WITH BRONCHIECTASIS: A PRELIMINARY STUDY

*Polelli V., Santambrogio M., Figini M., Bellofiore A., Privitera E., Ori M., Aliberti S. and Blasi F*

Rozzano, Milan - Italy

**20.** WEB-REHAB PROGRAM FOR PEOPLE WITH CYSTIC FIBROSIS DURING COVID-19 PANDEMIC: A FEASIBILITY STUDY

*Matteo De Marchis, Marco Rivolta, Sara De Dominicis, Francesco Milo, Daniele Di Giovanni, Carmen D'Amore, Alessandra Federici, Alessandra Boni, Federico Alghisi, Sergio Bella, Renato Cutrera and Alessandro G. Focchi*

Rome, Catanzaro - Italy and Lausanne, Switzerland

**21.** SUCCESSFULL USE OF TPEP MACHINE IN THE TREATMENT OF ATELECTASIS IN DIFFERENTS TYPE OF PATIENTS

*Salvatore Musella, Elena Sciarrillo, Anna Annunziata, Antonietta Coppola and Giuseppe Fiorentino*

Naples - Italy



**22.** SHORT-TERM VARIATION OF AN ATELECTASIS SCORE AFTER HIGH-FREQUENCY PERCUSSIONS IN PEOPLE WITH SEVERE ACQUIRED BRAIN INJURY: A RETROSPECTIVE PILOT STUDY

*Sciurello S.A., Graziano F., Laganà M.M., Compalati E., Pappacoda G., Navarro J., Gambazza S., Lazzeri M., Cecconi P., Baglio F., Pierucci P. and Banfi P.*

Milan, Bari - Italy

**23.** WEANING FROM INVASIVE VENTILATION IN A MULTIDISCIPLINARY REHABILITATION SETTING IN A PATIENT WITH A DOUBLE TROUBLE: GUILLAIN-BARRÉ-STROHL SYNDROME AND MYOTONIC DYSTROPHY TYPE 1

*Chiara Gallivanone, Stefano Becchiati, Elisa De Mattia, Alessandra Cima, Monica Consonni, Valentina Gatti, Sofia Latini, Jessica Lops, Camilla Roncoroni, Elena Carraro, Valentina Giunta, Elvia Battaglia, Giovanni Colacicco and Valeria Sansone*

Milan - Italy

**24.** TIDAL VOLUME VARIATION DURING DIURNAL VENTILATORY SUPPORT AND AIR-STACKING AND MECHANICAL ASSISTED COUGH IN NEUROMUSCULAR PATIENTS WITH SEVERE VENTILATORY DYSFUNCTION

*Passos Conceição N., Braun M., Vidigal-Lopes M. and Gonçalves MR*  
Porto - Portugal and Belo Horizonte - Brazil

**25.** DIGITAL APP TO DELIVER MAINTAINANCE HOME-BASED REHABILITATION IN PEOPLE AFFECTED BY CHRONIC RESPIRATORY DISEASES: PRELIMINARY RESULTS FROM AN OBSERVATIONAL STUDY

*Mara Paneroni, Michele Vitacca, Manuela Saleri and Chiara Giuseppina Beccaluva*

Lumezzane, Origgio - Italy

**26.** PULMONARY REHABILITATION USING A COUGH-ASSIST MACHINE IN A SEMI-RECUMBENT AND LATERALIZED POSITION IN A PATIENT WITH GENERALIZED MYASTHENIA GRAVIS AND COVID-19: A CASE REPORT

*Passacantilli, S., Musella, S., Sciarrillo, E. and Fiorentino, G.*

Naples - Italy

**27.** A NEW MODEL OF OUTPATIENT RESPIRATORY PHYSIOTHERAPY FOR BRONCHIECTASIS PATIENTS: STRENGTH AND LIMITATIONS

*Santambrogio M., Bellofiore A, Rossi V., Gramegna A., Ori M., Misuraca S., Privitera E. and Blasi F.*

Milan - Italy

**28.** THE IMPORTANCE OF RESPIRATORY AND SWALLOWING REHABILITATION FOR THE SECRETION MANAGEMENT IN ABI PATIENT: A CASE STUDY

*Irene Battel*

Milan - Italy

**29.** EFFECTIVENESS OF RESPIRATORY REHABILITATION IN COVID-19'S POST-ACUTE PHASE: A SYSTEMATIC REVIEW

*Rossana Cuscito, Matteo Tamburlani, Annamaria Servadio and Giovanni Galeoto*

Rome, Pozzilli - Italy

## SCIENTIFIC HAPPY HOUR

Friday May 12 at 19.00 - 22.00

After the Awards Ceremony of the best poster and oral communication a **FAREWELL COCKTAIL** will follow. EVERYONE IS WELCOME!



## ORGANIZING SECRETARIAT AND ECM PROVIDER

### Victory Project Congressi

Via C. Poma, 2 - 20129 Milan, Italy

Phone +39 02 89 05 35 24

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www.victoryproject.it

## CONGRESS VENUE

### Hotel Barceló Aran Mantegna

Via Andrea Mantegna, 130 – 00147 Rome, Italy

Phone +39 06 989521

www.barcelo.com/it-it/barcelo-aran-mantegna/

## SECRETARIAT ON SITE

Secretariat and Registration Desk at Congress Venue will be on duty from Thursday 11 May through 13 May. Opening hours:

**11 May from 09.00 to 19.00**

**12 May from 07.30 to 18.30**

**13 May from 07.30 to 18.00**

## CERTIFICATE OF ATTENDANCE

A certificate of attendance will be given to all registered participants.

## ADMISSION

Participants are kindly requested to wear their badges during all Congress Activities.

## INSURANCE

The Congress Organizer cannot accept liability for personal injuries occurred, or for loss or damage to property belonging to Congress Participants, either during or as result of the Congress. Please check the validity of your insurance.

## NO SMOKING

Smoking in the Congress Venue is not allowed.

## REGISTRATION

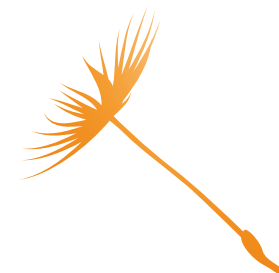
REGISTRATION FEES (vat 22% included)

ARIR MEMBERS	€ 280,00
NO MEMBERS	€ 380,00
STUDENTS	€ 80,00
NOT RESIDENT IN ITALY	€ 180,00
ON SITE REGISTRATION	€ 420,00
INDUSTRY (not having a booth)	€ 170,00
ONE DAY REGISTRATION INDUSTRY	€ 100,00

Only registered participants are allowed to attend the Scientific Sessions.

The registration fee includes:

- Admission to the Scientific Sessions
- Admission to workshops
- Admission to lunch workshops
- Coffee breaks
- Congress kit





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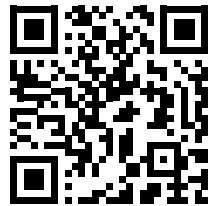
*(Update to May 4, 2023)*

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