

LAVORI SCIENTIFICI / CLINICAL EVIDENCE

European Respiratory Society guidelines for the management of adult bronchiectasis

E. Polverino, P.C. Goeminne, M.J. McDonnell, S. Aliberti, S.E. Marshall, M.R. Loebinger, M. Murrin, R. Cantón, A. Torres, K. Dimakou, A. De Soyza, A.T. Hill, C.S. Haworth, M. Vendrell, F.C. Ringshausen, D. Subotic, R. Wilson, J. Vilaró, B. Stallberg, T. Welte, G. Rohde, F. Blasi, S. Elborn, M. Almagro, A. Timothy, T. Ruddy, T. Tonia, D. Rigau, J.D. Chalmers
European Respiratory Journal, 2017, 50.3: 1700629

Comparison of effectiveness of temporary positive expiratory pressure versus oscillatory positive expiratory pressure in severe COPD patients

A. Nicolini¹, V. Mascardi¹, B. Grechi², M. Ferrari-Bravo³, P. Banfi⁴, C. Barlascini⁵
¹Respiratory Diseases Unit, Hospital of Sestri Levante, Italy, ²Physical Medicine and Rehabilitation, ASL 4 Chiavarese, Italy, ³Statistics and Biometrics Unit, ASL 4 Chiavarese, Italy, ⁴Don Gnocchi Foundation, IRCCS, Milan, Italy, ⁵Hygiene and Health Medicine, ASL4 Chiavarese, Italy
Clin Respir J. 2017;1–9

Comparing airways clearance techniques in chronic obstructive pulmonary disease and bronchiectasis: positive expiratory pressure or temporary positive expiratory pressure? A retrospective study

F. D'Abrosca^{1,2}, B. Garabellia^{1,3}, G. Savio¹, A. Barison¹, L. Appendini¹, L.V.F. Oliveira⁴, P. Baiardi⁵, B. Balbi¹
¹Divisione di Pneumologia Riabilitativa, Fondazione Salvatore Maugeri, I.R.C.C.S., Centro Medico di Veruno, Veruno, NO, Italy. ²Fondazione IRCCS Ca' Granda --- Ospedale Maggiore Policlinico Milano, Milano, MI, Italy ³NEMO Center --- Centro Clinico NEMO, Ospedale Niguarda Cà Granda, Milano, Milano, MI, Italy ⁴Programa de Pós-Graduação em Ciências da Reabilitação, Universidade Nove de Julho (UNINOVE), São Paulo, SP, Brazil ⁵Direzione Scientifica Centrale, Fondazione Salvatore Maugeri, I.R.C.C.S., Pavia, PV, Italy
Brazilian journal of physical therapy, 2017, 21.1: 15-23

Effectiveness of temporary positive expiratory pressure (T-PEP) at home and at hospital in patients with severe chronic obstructive pulmonary disease

V. Mascardi¹, B. Grechi², C. Barlascini³, P. Banfi⁴, A. Nicolini¹
¹Respiratory Diseases Unit, Hospital of Sestri Levante, Sestri Levante, Italy; ²Physical Medicine and Rehabilitation, Chiavari, Italy; ³Hygiene and Health Medicine Hospital of Sestri Levante, Sestri Levante, Italy; ⁴Pulmonary Diseases Unit, Don Gnocchi Foundation IRCCS, Milan, Italy
Journal of thoracic disease, 2016, 8.10: 289

L'efficacia della TPEP nella gestione dell'emottisi

C. Lo Piparo, A. Ferlisi, F. Ficili, M.A. Orlando, L. Termini, G. Traverso, S. Barrale, M.R. Bonaccorso, M. Collura
U.O. Pediatria II per la FIBROSI CISTICA (CRR) e le Malattie Respiratorie – Allergologia – Ospedale dei Bambini “G. Di Cristina” Palermo
SIFC Salerno 2016

Effectiveness of Temporary Positive Expiratory Pressure (T-PEP) at Home and at Hospital in Patients with severe COPD

I. Piroddi MD, A. Nicolini MD¹, G. Veronesi MD
¹Respiratory Diseases Unit, Sestri Levante, Italy
Chest, 2016, 150.4: 150A

Comparison of Effectiveness of Two Positive Expiratory Pressure Devices In Severe COPD Patients: Temporary Positive Expiratory Pressure (T-PEP) Versus Oscillatory Positive Expiratory Pressure (O-PEP)

A. Nicolini MD
Respiratory Diseases Unit, Sestri Levante, Italy
Chest, 2016, 149.4: A364.

Short-term effects of three slow expiratory airway clearance techniques in patients with bronchiectasis: a randomised crossover trial.

B. Herrero-Cortina¹, J. Vilaró², D. Martí³, A. Torres⁴, M. San Miguel-Pagola⁵, V. Alcaraz³, E. Polverino³

¹Pneumology Department, Clinic Institute of Thorax, Hospital Clinic of Barcelona, Institut d'Investigacions Biomèdiques August Pi I Sunyer - Centro de Investigación Biomédica En Red-Enfermedades Respiratorias, Barcelona, Spain; ²Health Sciences Faculty, San Jorge University, Zaragoza, Spain; ³Health Sciences Faculty Blanquerna, Physiotherapy Research Group, Ramon Llull University, Barcelona, Spain; ⁴Pneumology Department, Clinic Institute of Thorax, Hospital Clinic of Barcelona, Institut d'Investigacions Biomèdiques August Pi I Sunyer - Centro de Investigación Biomédica En Red-Enfermedades Respiratorias, Barcelona, Spain.

⁵Pneumology Department, Clinic Institute of Thorax, Hospital Clinic of Barcelona, Institut d'Investigacions Biomèdiques August Pi I Sunyer - Centro de Investigación Biomédica En Red-Enfermedades Respiratorias, Barcelona, Spain; ⁶University of Barcelona, Barcelona, Spain;

⁷Health Sciences Faculty, San Jorge University, Zaragoza, Spain.

Physiotherapy, 2016, 102.4: 357-364

Effectiveness of Temporary Positive Expiratory Pressure (TPEP) at home and at Hospital in patients with severe COPD

V. Mascardi¹, I. M. G. Piroddi¹, B. Grechi², A. Nicolini¹

¹Respiratory Diseases, Respiratory Rehabilitation Unit, Sestri Levante, Italy; ²Rehabilitation Medicine, Physical Medicine and Rehabilitation, Sestri Levante, Italy

ERS Amsterdam 2015

Comparison of effectiveness of two positive expiratory devices in severe COPD patients: Temporary positive expiratory pressure (TPEP) versus oscillatory positive expiratory pressure (OPEP)

A. Nicolini¹, V. Mascardi¹, B. Grechi²

¹Respiratory Diseases, Respiratory Rehabilitation Unit, Sestri Levante, Italy; ²Rehabilitation Medicine, Physical Medicine and Rehabilitation, sestri Levante, Italy

ERS Amsterdam 2015

Effectiveness of Temporary Positive Expiratory Pressure (TPEP) at home and at Hospital in patients with severe COPD

A. Nicolini, A. Perazzo, S. Colamartino, P. Gatto, M.G. Piroddi, B. Grechi

Respiratory Rehabilitation Unit, General Hospital of Sestri Levante, Italy

ERCA-JVD Lyon March 2015

Could Temporary Positive Expiratory Pressure (TPEP) be useful as respiratory physiotherapy technique for patient affected by non-CF bronchiectasis?

B. Iovine MD, E. G. Conte MD, M. Scapigliati RRT, R. Marra MD, R. Inchingolo MD, M. Retucci RRT, S. Giannone RRT, M. Torrice RRT, S. Valente MD, A. Smargiassi MD

Pulmonary Medicine Department, University Hospital A. Gemelli, Rome Italy

ERCA-JVD Lyon March 2015

Wet sputum as an objective outcome in a randomized crossover trial in non CF-BE: reliability and responsiveness

B. Herrero¹, J. Vilaró², M. SanMiguel¹, V. Alcaraz³, A. Torres³, E. Polverino³

¹Health Sciences Faculty, San Jorge University, Zaragoza, Spain; ²Health Sciences Faculty Blanquerna, Physiotherapy Research Group (GreFis), Ramon Llull University, Barcelona, Spain; ³Pneumology Department, clinic Institute of Thorax (ICT), Hospital Clinic of Barcelona, Institut d'investigaciones Biomèdiques August Pi I Sunyer (IDIBAPS)- Centro de investigación Biomédica En Red-Enfermedades Respiratorias (CIBERES CB06/06/0028), Spain

ERCA-JVD Lyon March 2015

Comparison of intermittent positive pressure breathing and temporary positive expiratory pressure in patients with severe chronic obstructive pulmonary disease.

A. Nicolini, E. Mollar, B. Grecchi, N. Landucci

Archivos de Bronconeumología (English Edition), 2014, 50.1: 18-24

L'APPLICAZIONE DELLA TECNOLOGIA T-PEP NEL TRATTAMENTO FISIOKINESITERAPICO DEL PAZIENTE AFFETTO DA BRONCHIECTASIE: QUALI EFFETTI SULLA FUNZIONALITÀ RESPIRATORIA?

Tesi di Laurea di: M. Retucci

UNIVERSITÀ CATTOLICA DEL SACRO CUORE - Corso di Laurea in Fisioterapia Roma 2013

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e-mail: info@mpr-italy.it

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LA FISIOKINESITERAPIA NEL PAZIENTE AFFETTO DA BRONCHIETASIE: EFFETTI SULLA QUALITÀ DELLA VITA, SULLA CAPACITÀ D'ESERCIZIO FISICO E SULLA RIDUZIONE DELLA CARICA MICROBICA NELL'ESCREATO

Tesi di Laurea di: S. M. Giannone

UNIVERSITÀ CATTOLICA DEL SACRO CUORE - Corso di Laurea in Fisioterapia Roma 2013

Comparison of intermittent positive pressure breathing (IPPB) and temporary positive expiratory pressure (TPEP) in patients with severe chronic obstructive pulmonary disease

A. Nicolini, B. Grecchi, F. D'Abrosca

Sestri Levante, Veruno, Italy

ERS 2013 Barcelona

Efficacy of temporary positive expiratory pressure (TPEP) in patients with chronic mucus hypersecretion. THE UNIKO PROJECT: a multicentre randomised trial.

E. Venturelli¹, E. Crisafulli², A. DeBiase², D. Righi², D. Berrighi³, P. P. Cavicchioli³, G. Vaghegini³, F. Dabrosca⁴, B. Balbi⁴, M. Paneroni⁵, L. Bianchi⁵, M. Vitacca⁵, V. Galimberti⁶, M. Zaurino⁶, G. Schiavoni⁶, A. Iattoni¹, N. Ambrosino³, E. M. Clini^{1,2}

¹Department of Medical and Surgical Sciences, University of Modena, Pavullo-Modena, Italy; ²Villa Pineta Hospital, Pavullo n/F

Modena, Italy; ³Auxilium Vitae Rehabilitation Center, Volterra, Pisa, Italy; ⁴IRCCS-Maugeri Foundation of Veruno, Novara, Italy;

⁵IRCCS-Maugeri Foundation of Lumezzane, Brescia, Italy; ⁶San Giuseppe Hospital, Milano, Italy

Clinical rehabilitation, 2013, 27.4: 336-34

One year experience in intensive post-operative rehabilitation (cod.56) in adult after cardiac surgery

A. Frijia, F. Filippi, A. Gavarini, S. Balloni, M. Ceccarani, I. Luschi, S. Lazzarotti, M. Viscariello, P. Rossi, M. Petrilli

2nd International conference on Respiratory Physiotherapy March 2013 Genova

Comparison of intermittent positive pressure breathing (IPPB) and temporary positive expiratory pressure (TPEP) in patients with severe chronic obstructive pulmonary disease

E. Mollar, A. Nicolini, P. L. Moretti, N. Landucci, P. Prato, D. Cianci, C. Barlascini, M. Ferrari-Bravo

2nd International conference on Respiratory Physiotherapy - Oral presentation - March 2013 Genova

Airways Clearance Techniques in Cystic Fibrosis: Physiology, Devices and the Future

A. H. Kendrick

Department of Respiratory Medicine, University Hospitals, Bristol

Cystic Fibrosis-Renewed Hopes Through Research |cap 22| 493-518

Functional Properties Of The Human Lung Measured During Spontaneous And Modified Respiration In COPD Patients

R. Prediletto¹, E. Fornai², M. Raciti², M. Varanini², G. Catapano³, M. Fiore⁴, C. Giuntini⁵

¹Institute of Clinical Physiology, National Research Council-Tuscany Region "Gabriele Monasterio" Foundation - Pisa/IT, ²Institute of Clinical Physiology, National Research Council - Pisa/IT, ³National Research Council-Tuscany Region "Gabriele

Monasterio" Foundation - Pisa/IT, ⁴Medical Products Research - Legnano/IT, ⁵University of Pisa - Pisa/IT.

American Thoracic Society, 2012. p. A2049-A2049

Efficacy of temporary positive expiratory pressure (TPEP) in patients with chronic mucus hypersecretion. THE UNIKO PROJECT: a multicentre randomised trial.

E. Venturelli¹, A. De Biase¹, M. Paneroni¹, V. Galimberti³, P. Cavicchioli⁴, F. D'Abrosca⁵

¹Ospedale Villa Pineta and University of Modena - Pavullo n/F (MO); ²Fondazione Maugeri IRCCS - Lumezzane (BS); ³Ospedale

San Giuseppe - Milano; ⁴Auxilium Vitae Rehabilitation Centre - Volterra (PI); ⁵Fondazione Maugeri IRCCS - Centre of Veruno (NO). Italy

4th ERCA - Barcellona - 2012

PEP-Mask and T-PEP: 4 years' experience in a large cohort of hypersecretive patients.

F. D'Abrosca¹, B. Garabelli¹, L. Appendini¹, G. Savio, A. Barison¹, N. Buschini¹, P. Baiardi², B. Balbi¹

¹Divisione di Pneumologia Riabilitativa, IRCCS Fondazione Salvatore Maugeri, Veruno, Novara,

Italy; ²Department of Statistics, Consorzio Valutazioni Biologiche Farmacologiche, Pavia, Italy.

4th ERCA - Barcellona - 2012

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L'uso della TPEP (UNIKO) nel trattamento riabilitativo respiratorio dei pazienti cardio-operati. Caso clinico.

A. Panuccio, G.V. D'Angello, P. Furfari, V. Polimeni, S. Martino
39° SIMFER Reggio Calabria

UNIKO-TPEP. Una "SCATOLA MAGICA" per qualche paziente con BPCO

F. Rizzonelli, L. Fochi, F. Boccafoglio, D. Sella
UO Pneumologia, Ospedale Santa Chiara – Trento
XLI Congresso Nazionale AIPO - Bologna -2011

Efficacia nel trattamento delle sindromi da ipersecrezione bronchiale mediante tecnica TPEP. Il progetto UNIKO

E. Venturelli¹, B. Balbi², F. d'Abrosca², M. Vitacca³, M. Paneroni³, G. Vaghegini⁴, P. Cavicchioli⁴, M. Zaurino⁵, V. Galimberti⁵, F. Pasqua⁶, I. Guidi⁶, E. Crisafulli¹, A. De Biase¹, N. Ambrosino⁴, E. M. Clini¹.

¹Ospedale Villa Pineta e Università di Modena- Pavullo n/F (MO); Fondazione Maugeri IRCCS-Centro di ²Veruno (NO) e

³Lumezzane (BS), ⁴centro di riabilitazione Auxilium Vitae - Volterra (PI); ⁵Ospedale San Giuseppe-Milano; ⁶Ospedale San Raffaele IRCCS - Velletri (RM). Italy

XLI Congresso Nazionale AIPO - Bologna -2011

Studio retrospettivo sulle metodiche di rimozione delle secrezioni tracho-bronchiali (Airway Clearance techniques, ACT)

F. D'Abrosca¹, B. Garabelli¹, L. Appendini¹, G. Savio¹, A. Barison¹, N. Buschini¹, P. Baiardi², B. Balbi¹.

¹Divisione di Pneumologia Riabilitativa, IRCCS Fondazione Salvatore Maugeri, Veruno, Novara, Italy; ²Department of Statistics, Consorzio Valutazioni BiologicheFarmacologiche, Pavia, Italy

XLI Congresso Nazionale AIPO - Bologna -2011

Efficacy of airway clearance therapy with different autonomy degrees in non CF-BE: Randomized cross-over trial

B. Herrero, E. Polverino, D. Marti Romeu, J. Vilarò

Barcelona, Mallorca, Spain

ERS 2011 Amsterdam

Airway clearance techniques (ACT): A retrospective study in 188 patients, 96 of which with respiratory failure (RF)

F. D'Abrosca, B. Garabelli, L. Appendini, G. Savio, A. Barison, N. Buschini, P. Baiardi, B. Balbi

Veruno, Pavia, Italy

ERS 2011 Amsterdam

Comparison of inhaled dose during nebulization with a new prototype device (UNIKO) and with a classical jet nebulizer.

G. Reyhler^{1,2}, L. Pitance^{2,3}, P. Delguste^{1,2}, G. Delval⁴, S. Quenney⁵, G. Liistro^{1,2}

¹Pneumology Unit, ²Institute of Experimental and Clinical research, Pole Pneumology, ENT and Dermatology, ³Department of Maxillo-Facial Surgery, ⁵Pharmacy – Cliniques Universitaires Saint-Luc, Université Catholique de Louvain – Brussels

ISAM 2011 Rotterdam

Efficacy of temporary positive expiratory pressure to assist patients with chronic hypersecretion. a multicentre randomised trial

E. Venturelli¹, E. Crisafulli¹, B. Balbi², L. Bianchi³, G. Vaghegini⁴, P. Schiavoni⁵, M. Vitacca³, M. Zaurino⁵, N. Ambrosino⁴, A. Kendrick⁶, E. M. Clini¹ on behalf of the UNIKO study group.

¹Ospedale Villa Pineta and University of Modena, Pavullo n/F; Fondazione Maugeri IRCCS, Centers of ²Veruno and ³Lumezzane;

⁴Auxilium Vitae Rehabilitation Center, Volterra; ⁵Ospedale San Giuseppe, Milano; ⁶Bristol Royal Infirmary, Bristol. Italy and UK.

ERS 2010 Barcellona

La disostruzione bronchiale nel paziente respiratorio complesso.

F. D'Abrosca, B. Balbi

Il fisioterapista – n.5- Settembre-Ottobre 2010

Effectiveness of the Temporary Positive Expiratory Pressure during aerosol therapy in the management of patients with tracheobronchial stent

R. Marchese¹, G. Paglino¹, V. Gebbia²

¹Department of Interventional Pulmonology, ²Department of Medical Oncology, Oncologic Center La Maddalena, Palermo, Italy

ERS 2010 Barcellona

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The effects of T-PEP on ventilation lung scan in patient with bronchiectasis: protocol for randomized controlled trial.

P. Fazzi¹, A. D'Abrosca², R. Cristofani³, S. Derlin¹, G. De Cusatis¹, S. Antonelli¹, FL Dente¹, PL Paggiaro¹

¹Cardio-Thoracic and Vascular Department, University of Pisa, ² Experimental Pathology, Medical Biotechnology, Infection Disease and Epidemiology department, University of Pisa, Pisa Italy

ERS 2010 Barcellona

Efficacia di un presidio ventilatorio a pressione temporanea positiva espiratoria (TPEP®) in pazienti adulti con ipersecrezione bronchiale cronica. Studio Randomizzato-Controllato.

Tesi di laurea di: T. Pagani

Università degli studi di Modena e Reggio Emilia facoltà di Medicina e Chirurgia – anno accademico 2009-2010

Positive expiratory pressure techniques in respiratory patients: old evidence and new insights

E. Clini

University of Modena(RE) – Italy

Breathe | December 2009 | Volume 6 | No 2

Valutazioni a breve termine di una pressione positiva temporanea (T-PEP) a scopo disostruente vs pep mask in pazienti affetti da Fibrosi Cistica

A. Brivio, E. Caverni, D. Costantini

Centro Fibrosi Cistica Clinica Pediatrica De Marchi Milano

XV Congresso FC Italia 2009

Studio preliminare sull'efficacia del sistema T-PEP UNIKO rispetto alla PEP Mask nel migliorare i parametri funzionali di pazienti affetti da BPCO di grado severo con ipersecrezione e di pazienti con bronchiectasie

¹A. Frijia, ¹M. Zingoni, ¹M. Solinas, ²G. Borelli, ¹R. Albertelli, ¹M. Petrilli

¹Fondazione Don Gnocchi Marina di Massa (MS), ²Cardio-Thoracic Dept University of Pisa Italy

Rivista Italiana di Fisioterapia e Riabilitazione Respiratoria – Anno VIII Numero 2 Maggio-Agosto 2009

Efficacy of temporary positive expiratory pressure (TPEP) device in chronic hypersecretion. The UNIKO project.

E. Crisafulli¹, B. Balbi², L. Bianchi³, G. Vaghegini⁴, E. Guffanti⁵, M. Vitacca³, N. Ambrosino⁴, E. M. Clini¹

¹Villapineta (MO), ²FSM Veruno (NO), ³FSM Lumezzane (BS), ⁴Auxilium Vitae Volterra (PI), ⁵INRCA Casatenovo (LC)

ERCA congress Stresa 2009

Efficacy of the respiratory rehabilitation system “T-PEP UNIKO”® versus pep mask in improving functional parameters of patients with severe copd and bronchiectasis

¹A. Frijia, ¹M. Zingoni, ¹M. Solinas, ²G. Borelli, ¹R. Albertelli, ¹M. Petrilli

¹Fondazione Don Gnocchi Marina di Massa (MS), ²Cardio-Thoracic Dept University of Pisa Italy

ERCA congress Stresa 2009

Respiratory physiotherapy in abdominal major surgery. Leading study of a rehabilitative protocol with UNIKOTPEP®

F. Zeroli, E. D'Amazio Erminia, L. Boni

Università dell'Insubria Varese Italy

ERCA Congress Stresa 2009

Chest physical therapy in chronic bronchitis. the effect of temporary positive expiratory pressure (TPEP) and eltgol. what is the best? the key is patient satisfaction

G. Schiavoni, A. Pediconi, P. D' Ambrosio, L. Fallarino, M. Ianni, F. Yaine, C. Cigolini, M. Zaurino

Hospital San Giuseppe Milan, Italy

ERCA congress Stresa 2009

Efficacy of pulmonary rehabilitation programme (PRP) with TPEP® (TEMPORARY POSITIVE EXPIRATORY PRESSURE) about removal bronchial secretions, pulmonary function test, dyspnoea and exercise tolerance in COPD patients

L. Ferri, S. Di Toro, V. Dall'Armi, V. Cardaci

IRCCS San Raffaele la Pisana Rome, Italy

ERCA congress Stresa 2009

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Lung ventilation scintigraphy in the assessment of obstructive lung diseases

P. Fazzi¹, R. Albertelli¹, M. Grana², P.L. Paggiaro¹

¹Cardio-Thoracic and Vascular Dept and ²General Surgery and Transplantations, University of Pisa, Italy

Breathe | March 2009 | Volume 5 | No 3

Fisioterapia respiratoria in chirurgia addominale maggiore. Studio pilota di un protocollo riabilitativo con sistema UNIKO®TPEP

Tesi di Laurea di: F. Zeroli

UNIVERSITA' DEGLI STUDI DELL'INSUBRIA - Corso di Laurea in Fisioterapia Varese 2008

Efficacia dell'utilizzo dell'apparecchio T-PEP® (Temporary Positive Expiratory Pressure, modello Uniko®) per la disostruzione bronchiale: proposta di un disegno di studio

Master in fisioterapia e riabilitazione respiratoria di: A. Cortelezzi

UNIVERSITA' DEGLI STUDI DI MILANO – Master 2008

La terapia aerosolica con apparecchio IPPB con TPEP: una prospettiva futura per completare il trattamento della bronchiolite ? / Aerosol therapy using IPPB with TPEP: a future prospect to complete the treatment of bronchiolitis ?

R. Startari, M. Pandolfi, R.M. Porzia, L. Notari, R. Ghilardi, L. Bernardo

Azienda ospedaliera Fatebenefratelli ed Oftalmico - Paediatric department Milano

MINERVA PEDIATRICA Vol. 60 - N. 5 - Pag. 1244 (Ottobre 2008)

Abdominal surgery in COPD: utility of IPPB with temporary expiratory pressure (T-PEP) on distribution of ventilation and gas-exchange.

P.Fazzi¹, R.Albertelli¹, M.S.Derlin¹, G.Girolami¹, M.Grana², F.Mosca², C.Giuntini¹

¹Cardiothoracic Department, University of Pisa, Pisa, Italy; ²General Surgery and Transplantations, University of Pisa, Pisa, Italy

ERS annual congress Berlin 2008

Ippb with temporary expiratory pressure (t-pep) in surgical patients with COPD;

P. Fazzi¹, G. Girolami², R. Albertelli¹, M. Grana², F. Mosca², C. Giuntini¹

¹Cardiothoracic Department, University of Pisa Italy; ²General surgery and transplantation, University of Pisa Italy

ERS annual congress Stockholm 2007

Impiego di una pressione positiva temporanea (T-PEP) in pazienti chirurgici affetti da BPCO

P. Fazzi¹, G. Girolami², R. Albertelli¹, M. Grana², F. Mosca², C. Giuntini¹

¹ Dipartimento cardiotoracico, università degli studi di Pisa, Pisa, Italy, ² chirurgia generale e trapianti, università degli studi di Pisa, Pisa, Italy.

7° Congresso Nazionale della Pneumologia SIMeR – Firenze 2006

Valutazioni preliminari sull'impiego di una pressione positiva temporanea (T-PEP) per l'effettuazione di fisioterapia respiratoria in pazienti affetti da Fibrosi Cistica

E. Rizza¹, M. Bernardi², R. Bini², E.G. Barlocco²

¹Centro Regionale di Medicina Nucleare Università Pisa

²Servizio per la Fibrosi Cistica - U.O. Pediatria e Neonatologia Ospedale Misericordia Grosseto

XII congresso italiano della Fibrosi Cistica Firenze 2006

Il nuovo sistema TPEP® (Temporary Positive Expiratory Pressure)

R. Albertelli

Dipartimento Cardiotoracico, Università degli studi di Pisa Italy

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Sede legale: P.zza San Magno, 7 - 20025 Legnano (MI)

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