

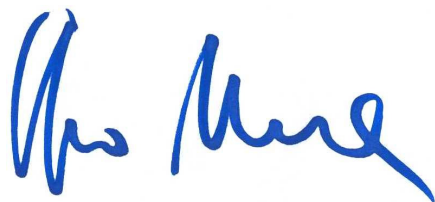
## CURRICULUM VITAE

**Stefano NAVA**

Indirizzo di corrispondenza:

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Pneumologia e Terapia Intensiva Respiratoria  
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11-2-2020



## **DATI PERSONALI**

Data di nascita: 7 novembre 1956  
Luogo di nascita: Crema ( CR )  
Cittadinanza: italiana  
Stato civile: coniugato  
Lingue parlate: inglese ( ottimo ), francese ( buono ),  
spagnolo ( discreto )

## **EDUCAZIONE SCOLASTICA**

- Liceo Classico A. Rachetti, Crema
- Laurea in Medicina e Chirurgia, Universita' di Pavia
- Specialita' in Tisiologia e Malattie Apparato Respiratorio, Universita' di Pavia.
- Specialita' in Anestesia e Rianimazione, Universita' di Pavia .

**TESI DI LAUREA** : La prevenzione dell'asma da metacolina mediante l'associazione ipratropio bromuro e fenoterolo.

**TESI DI SPECIALITA' IN PNEUMOLOGIA**: Aminofillina e contrattilita' diaframmatica nell'uomo.

**TESI DI SPECIALITA' IN ANESTESIA E RIANIMAZIONE**: Effetti acuti dei cortisonici sulla meccanica respiratoria in pazienti affetti da broncopneumopatia cronica ostruttiva e ventilati meccanicamente per insufficienza respiratoria acuta.

## **ATTIVITA' RICERCA ESTERO**

- Post-graduate research fellow in Pulmonary Medicine presso l'Ospedale Royal Victoria ed i laboratori Meakins-Christie dell'Universita' di Mc Gill, Montreal, Canada (settembre 1985- settembre 1988 ).
- Visiting scientist presso Universita' di Leuven Laboratorio di Fisiopatologia Respiratoria marzo-aprile 1993
- Visiting professor presso la Tufts University, New England Medical Center, Boston, Respiratory, Critical Care and Sleep Division giugno 2006-dicembre 2006

## **PREMI**

- Premio " Award for young pulmonary research physician " dell'Ospedale Royal Victoria, Montreal, Canada ( 1987 ).
- Premio della Clinica del Lavoro di Pavia per progetto di ricerca su " Funzione e riabilitazione delle muscolature respiratorie " 1989.
- Leon Gaza Award, AARC, Tampa Bay 2011
- Honorary Membership Hungarian Thoracic Society, Budapest 2012

## **ATTIVITA' DIDATTICA**

- Professore a contratto presso la scuola di Malattie dell'Apparato Respiratorio, Facolta' di Medicina e Chirurgia dell'Universita' degli Studi di Pavia, anno accademico 1991-92 e 1992-93, 1993-94, 1994-95,1995-96, 1996-97, 1997-98, 1998-99, 1999-2000, 200-2001, 2001-2002, 2002-2003,2003-2004,2004-2005,2005-2006,2006-2007,2007-2008,2008-2009
- Professore a contratto presso la scuola di malattie dell'Apparato Respiratorio Facolta' di Medicina e Chirurgia dell'Universita' degli Studi di Ferrara anno accademico 1996-97, 1997-98,1998-99, 1999-2000
- Supplenza annuale come professore a contratto incaricato presso la scuola di Anestesia e Rianimazione dell'Universita' degli Studi Pavia, anno accademico 1999-2000,2000-2001
- Professore a Contratto presso la scuola di Anestesia e Rianimazione dell'Universita' degli Studi Pavia, anno accademico 2001-2002, 2002-2003, 2003-2004
- Professore a contratto presso la scuola di Malattie dell'Apparato Respiratorio Facolta' di Medicina e Chirurgia dell'Universita' degli Studi di Catania anno accademico 2006-2007, 2007-2008,2008-2009
- Professore a contratto presso la Scuola di Malattie dell'Apparato Respiratorio dell'Università degli Studi di Bologna dal 2010 ad oggi.
- Membro della European Respiratoy School dal 2003 al 2006
- Idoneita' professore universitario di prima fascia MED10 presso Universita' degli Studi di Modena e Reggio Emilia 2011
- Professore Straordinario MED10 presso Univesita' di Bologna dal Dicembre 2012

## **COMITATI EDITORIALI**

- Associate Editor= Respiratory Care (gennaio 2008 ad ora)
- Associate Editor= Breathe (2007 ad ora)
- Associate Editor= Intensive Care Medicine (2002-2007)
- Editorial Board= Thorax (1998-2002)
- Membro della Faculty of 1000
- Attuale referee delle seguenti riviste internazionali:  
*the Lancet*  
*American Journal Respiratory and Critical Care Medicine*  
*European Respiratory Journal*  
*Thorax*  
*Critical Care Medicine*  
*Am.J.Crit.Care*

*Crit.Care*

*Journal of Palliative Medicine*

*Intensive Care Medicine*

*Anesthesia & Analgesia*

*Monaldi Archives of Chest Diseases*

*Respiratory Care*

*Respiration*

*Respiratory Medicine*

*Canadian Medical Association Journal*

## **COORDINAMENTO GRUPPI RICERCA**

- Chairman della Task Force European Respiratory Society su “End-of-life decision” anni 2004-2006
- Responsabile coordinatore del progetto ministeriale N.PS-RIAB ex 56/05/09 “Effetti clinici di due modalita’ di ventilazione noninvasiva nei pazienti con sclerosi laterale amiotrofica” TOTALE Euro 260.000
- Responsabile coordinatore del progetto n.1125 di Telethon TOTALE Euro= 18.000
- Responsabile del progetto “analisi di un servizio home care per pazienti affetti da malattie respiratorie: impatto sulla qualita’ di vita ed indici di ospedalizzazione” Ministero degli Affari Esteri protocollo P/0217617 , 2008-2009 Totale Euro= 55.000

## **COORDINAMENTO DIDATTICO SCIENTIFICO**

- Chairman del Program Committe CC dell’American Thoracic Society (2007-2011)
- Membro del Program Committe CC dell’American Thoracic Society (1999-2001; 2002-2006)
- Segretario del gruppo “Non-invasive ventilatory support” della European Respiratory Society. (1997-2000).
- Chairman del gruppo “Non-invasive ventilatory support” della European Respiratory Society. (2001-2002).
- Segretario della Assembly “Intensive Care” della European Respiratory Society (2003-2006)
- Chairman della Assembly Intensive Care della European Respiratory Society (2007-2010)
- Direttore dei Corsi “Post-graduate” all’interno della European Respiratory School all’interno della European Respiratory Society (2012 ad ora)
- Chairman del programma scientifico dell’American Thoracic Society (Critical Care Assembly) per gli anni 2008-2009
- Responsabile Scientifico Congresso 2011 e 2013 della Associazione Italiana Pneumologi Ospedalieri
- Responsabile dell’assemblea clinica della societa’ SIMER (Societa’ Italiana Medicina Respiratoria)

## **ATTIVITA’ CLINICA**

- Medico interno volontario presso l’Istituto di Tisiologia e Malattie Apparato Respiratorio Universita’ di Pavia( 1982-1984 ).
- Servizio militare presso l’Ospedale militare maggiore di Milano ( 1984 ).
- Medico interno volontario presso la Fisiopatologia Respiratoria dell’Istituto di Tisiologia e Malattie Apparato Respiratorio (gennaio 1984 - agosto 1984).
- Clinical and research fellow in Pulmonary and Critical Care all’Ospedale Royal Victoria, Mc-Gill University, Montreal, Canada
- Contrattista con qualifica di Assistente a tempo pieno presso la divisione di Pneumologia del Centro Medico di Montescano, Fondazione Clinica del Lavoro di Pavia ( settembre 1988 - marzo 1990 ).

- Assistente a tempo pieno presso la divisione di Pneumologia del Centro Medico di Montescano, Fondazione Clinica del Lavoro di Pavia ( aprile 1990, marzo 1995 ).
- Aiuto a tempo pieno presso la divisione di Pneumologia del Centro Medico di Montescano, Fondazione Clinica del Lavoro di Pavia ( marzo 1995-giugno 1996)
- Aiuto Responsabile dell'attività di Riabilitazione Respiratoria del Centro Medico di Montescano, Fondazione S.Maugeri ( giugno 1996 – aprile 2000)
- Aiuto Responsabile Divisione di Pneumologia Riabilitativa, Istituto Scientifico di Pavia, Fondazione S.Maugeri (maggio 2000- settembre 2001)
- Dirigente di II livello (ex-primario) Divisione di Pneumologia Riabilitativa, Istituto Scientifico di Pavia, Fondazione S.Maugeri (ottobre 2001al settembre 2002)
- Aiuto Responsabile Divisione di Pneumologia Riabilitativa, Istituto Scientifico di Pavia, Fondazione S.Maugeri (1/10/2002- 31/10/2002)
- Dirigente di II livello (ex-primario) Divisione di Pneumologia Riabilitativa, Istituto Scientifico di Pavia, Fondazione S.Maugeri (1/11/2002- 1-6-2006)
- Visting professor presso la Pulmonary and Critical Care Unit della Tufts University, New England Medical Centre, Boston (1/6/2006 – 24/12/2006)
- Dirigente di II livello (ex-primario) Divisione di Pneumologia Riabilitativa, Istituto Scientifico di Pavia, Fondazione S.Maugeri (24/12/2006 al Novembre 2010)
- Direttore U.O. di Pneumologia e Terapia Intensiva Respiratoria, AO Sant' Orsola Malpighi, Bologna (Novembre 2010 al Dicembre 2012)
- Professore Straordinario Universitario Equiparato per l'attività assistenziale a dirigente struttura complessa Pneumologia e Terapia Intensiva Respiratoria, AO Sant' Orsola Malpighi, Bologna (Dicembre 2012 ad ora)

Partecipazione a n.239 Congressi di cui (177 Internazionali) in qualità di relatore-chairman o coordinatore

#### **AFFILIAZIONI**

- European Respiratory Society ( ERS ).
- American Thoracic Society ( ATS ).
- Associazione Italiana Pneumologi Ospedalieri ( AIPO ).
- European Society of Intensive Care Medicine.

## **ATTIVITA' SCIENTIFICA**

Indirizzi di ricerca:

- Mechanical ventilation (including non-invasive)
- Weaning from mechanical ventilation
- Organisation and economical analysis of Respiratory Intensive Care Unit
- Respiratory muscle (EMG, electrical stimulation of the diaphragm, mechanics)
- Lung transplantation (mechanical ventilation and physiology)
- Pulmonary hypertension
- Pharmacology of the “acute” patient
- Pulmonary Rehabilitation
- Ethics

***N.89 nel ranking di Top Italian Scientists (TIS) con H index SCOPUS di 74  
n. 48 nel ranking Clinical Sciences di Top Italian Scientists (TIS)***

## **PUBBLICAZIONI**

- 1) **S.Nava** e F.Bellemare. Cardio circulatory failure and apnea in shock. *J.Appl.Physiol.* 66 (1) 184-189,1989.
- 2) R.D.Levy,**S.Nava**,L.Gibbons e F.Bellemare. Aminophylline and human diaphragm strength in vivo. *J.Appl.Physiol.* 68 (6) 2591-2596,1990.
- 3) N.Ambrosino,T.Montagna,**S.Nava**,A.Negri,C.Fracchia,S.Brega e C.Rampulla. Short term effect of intermittent negative pressure ventilation in COPD patients with respiratory failure. *The Eur.Respir.Jour.* 3, 502-508,1990.
- 4) **S.Nava**,N.Ambrosino,L.Zocchi,C.Rampulla. Diaphragmatic rest during negative pressure ventilation by pneumowrap. Assessment in normal and COPD patients. *Chest* 98:857-865,1990.
- 5) W.Gibbons,R.D.Levy, **S.Nava**,I.Malcolm,J.Marin,C.Tardif,S.Magder, R.Lisbona e M.Cosio. Subclinical cardiac dysfunction in sarcoidosis. *Chest* 100:44-50,1991.
- 6) C.Tantucci,C.Corbeil,M.Chasse,F.M.Robatto,**S.Nava**,J.Brady, N.Matar,J.Milic-Emili. Flow and volume dependence of respiratory system flow resistance in ARDS. *Am.Rev.Respir.Dis.* 145:355-360;1992.
- 7) **S.Nava**, P.Crotti, G.Gurrieri, C.Fracchia, C.Rampulla. Effect of a beta2-agonist (broxaterol) on respiratory muscles strength and endurance in COPD patients with irreversible airway obstruction. *Chest* 101: 133-140;1992
- 8) **S.Nava**, E.Zanotti, C.Rampulla, A.Rossi. Respiratory muscle fatigue does not limit exercise performance during moderate endurance run. *J. Sports Med. Phys.Fitness* 32: 39-44;1992.
- 9) N.Ambrosino, **S.Nava**,P.Bertone,C.Fracchia,C.Rampulla. Physiologic evaluation of pressure support ventilation by nasal mask in patients with stable COPD. *Chest* 101;385-391:1992.
- 10) N.Ambrosino,**S.Nava**,F.Rubini. Chronic respiratory insufficiency in a semi-intensive environment. In *Recent Advances in Anaesthesia Pain Intensive Care and Emergency*. A.Gullo editore 317-321, 1992.
- 11) **S.Nava**,N.Ambrosino,F.Rubini,C.Fracchia,C.Rampulla,G.Torri, E.Calderini. Effect of nasal pressure support ventilation and external PEEP on diaphragmatic function in severe stable COPD patients. *Chest* 103;143-150:1993.
- 12) **S.Nava**,E.Zanotti,N.Ambrosino,C.Scarabelli,C.Fracchia,C.Rampulla Evidence of acute diaphragmatic fatigue in natural condition: the diaphragm during labour. *Am.Rev.Respir.Dis.* 146:1226-1230;1992.



- 13) **S.Nava**,N.Ambrosino,P.Crotti,C.Fracchia,C.Rampulla. Recruitment of some respiratory muscles during three maximal inspiratory maneuvers. *Thorax* 48:702-707;1993.
- 14)N.Ambrosino,**S.Nava**,A.Torbicki,G.Riccardi,C.Fracchia,C.Opasich,C.Rampulla. Hemodynamic effects of pressure support and PEEP ventilation by nasal in patients with stable COPD. *Thorax*48;523-528:1993.
- 15) E.Zanotti,R.Corsico,C.Rampulla,N.Ambrosino,C.Fracchia,P.Crotti,F.Rubini,**S.Nava**. Effect of long-term therapy with oral steroids on respiratory muscle function and ventilatory drive. *Monaldi Arch.Chest Dis.* 48(1);16-22:1993.
- 16) **S.Nava**,C.Bruschi. Respiratory muscles and asthma. *Eur.Respir.Rev.* 3 (14);448-151:1993.
- 17) N.Ambrosino, **S.Nava**, F.Rubini. Non invasive mechanical ventilation in the treatment of acute respiratory failure in chronic obstructive pulmonary disease. State of the Art. *Monaldi Arch.Chest Dis.* 48(2);144-154 :1993.
- 18) M.Vitacca,F.Rubini,K.Foglio,S.Scalvini,**S.Nava**,N.Ambrosino. Non-invasive modalities of positive pressure ventilation improve the outcome of acute exacerbation in COLD patients. *Intensive Care Med.* 19;450-455:1993.
- 19) R.Pellegrino,B.Violante,V.Brusasco,**S.Nava**,C.Rampulla,J.Rodarte. Expiratory airflow limitation as a cause of hyperinflation during methacholine-induced bronchoconstriction. *J.Appl.Physiol.* 75(4):172-1727,1993.
- 20) F.Rubini,C.Rampulla,**S.Nava**. Acute effect of corticosteroids on respiratory mechanics in mechanically ventilated patients with chronic airflow obstruction and acute respiratory failure. *Am.J.Respir.Crit.Care.Med.* 149;306-310,1994
- 21)**S.Nava**,F.Rubini,E.Zanotti,N.Ambrosino,C.Bruschi,M.Vitacca,C.Fracchia, C.Rampulla. Survival and prediction of succesful ventilator weaning in COPD patients requiring mechanical ventilation for more than 21 days. *Eur.Respir. J.*,7;1645-1652, 1994
- 22) N.Ambrosino, F.Rubini, G.Callegari, **S.Nava**, C.Fracchia. Noninvasive mechanical ventilation in the treatment of acute respiratory failure due to infectious complications of lung transplantation. *Monaldi Arch.Chest Dis.* 49 (4); 311-314, 1994.
- 23) **S.Nava**,E.Zanotti,F.Rubini. Weaning and outcome from mechanical ventilation. *Monaldi Arch.Chest Dis.* 49(6); 530-532,1994.
- 24) F.Rubini, E.Zanotti, **S.Nava**. Ventilatory techniques during weaning. *Monaldi Arch.Chest Dis.* 49(6);527-529,1994.
- 25) E.Zanotti, F.Rubini, G.Iotti, C.Bruschi, A.Palo ,A.Braschi C, Fracchia, **S.Nava**. Elevated static compliance of the total respiratory system: early predictor of weaning unsuccess in severe COPD patients mechanically ventilated. *Intensive Care Med.* 1995 21(5);399-405, 1995.

- 26) **S.Nava** and PG Schiavoni. Hemidiaphragm dysfunction due to megacolon: functional recovery after colectomy. *Monaldi Arch. Chest Dis.* 50 (1):18-20;1995.
- 27) **S.Nava**, C.Bruschi, F.Rubini, A.Palo, G.Iotti, A.Braschi. Respiratory response and inspiratory effort during pressure support ventilation in COPD patients. *Intensive Care Med.* 21(11);871-879,1995
- 28) N.Ambrosino, K.Foglio, F.Rubini, E.Clini, **S.Nava**, M.Vitacca. Non-invasive mechanical ventilation in acute respiratory failure due to chronic obstructive pulmonary disease: correlates for success. *Thorax* 50; 755-757, 1995.
- 29) **S.Nava**, F.Rubini, E.Zanotti, D.Caldioli. The tension-time index of the diaphragm "revisited" in quadriplegic patients with diaphragm pacing. *Am.J.Respir.Crit.Care Med.* 153;1322-1327, 1996.
- 30) **S.Nava**, G.Gayan-Ramirez, E.Rollier, A.Bisschop, R.Dom, V.deBock, M.Decramer. Effects of acute steroid administration on ventilatory and peripheral muscles in rats. *Am.J.Respir.Crit.Care.Med* 153;1888-96;1996
- 31) M.Confalonieri, P.Parigi, A.Scartabellati, S.Aiolfi, S.Scorsetti, **S.Nava**, L.Gandola. Early administration of nasal bi-level positive airway pressure versus conventional therapy during exacerbation of COPD. Immediate and long-term outcome. *The Eur.Respir.J.* 9;422-30:1996.
- 32) M.Vitacca, E.Clini,**S.Nava**, , F.Rubini, K.Foglio,A.Quadri, N.Ambrosino. Non-invasive mechanical ventilation in severe COPD and acute respiratory failure: short and long term prognosis. *Intensive Care Med.* 22;94-100;1996.
- 33) **S.Nava**, C.Bruschi, C.Fracchia,A.Braschi, F.Rubini. Patient-ventilator interaction and inspiratory effort during PSV in patients with different pathologies. *The Eur.Respir.J.* 10:117-183;1997
- 34) **S.Nava**,N. Ambrosino, M. Confalonieri, C Rampulla. Physiologic effects of flow and pressure triggering during non-invasive mechanical ventilation ventilation in patients affected by chronic obstructive pulmonary disease. *Thorax* 52;249-254,1997
- 35) **S.Nava**. Scoring of severity in patients admitted to a respiratory intensive care unit. *Monaldi Arch.Chest Dis.* 52(1);71-72;1997
- 36) **S.Nava** , I.Evangelisti, C.Rampulla, ML.Compagnoni, C.Fracchia, F.Rubini. Human and financial costs of non-invasive mechanical ventilation in patients affected by chronic obstructive pulmonary disease and acute respiratory failure. *Chest* 111:1631-1638;1997.
- 37) **S.Nava**, C. Bruschi, F. Rubini, E. Zanotti. Passive mechanics of lung and chest wall in patients who failed or succeeded in trials of weaning. *Am.J.Respir.Crit.Care Med.* 156;2:669-670;1997

- 38) **S.Nava**. Rehabilitation of patients admitted to a Respiratory Intensive Care Unit. *Arch.Phys.Med.Rehabil* 79:849-854 ;1998
- 39) **S.Nava**,C.Rampulla,M.Confalonieri. Non-invasive respiratory care unit in Europe: a European perspective. *Thorax* 53:798-802;1998
- 40) **S.Nava**, N.Ambrosino, E.Clini, M.Prato, G.Orlando, M.Vitacca, C.Fracchia, P.Brigada and F.Rubini. Non-invasive mechanical ventilation in the weaning of patients with respiratory failure due to chronic obstructive pulmonary disease: a randomized study. *Ann.Intern.Med.* 128:721-728:1998
- 41) **S.Nava**. Non-invasive technique of weaning from mechanical ventilation. *Monaldi Arch.Chest Dis.* 53:355-357;1998
- 42) **S.Nava** Monitoring respiratory muscles. *Monaldi Arch.Chest Dis.* 53:6:640-643; 1998
- 43) **S.Nava**, P.Navalesi. Bronchodilators in the ICU. *Intensive Care Med.* 25:230-232; 1999.
- 44) **S.Nava**,F.Rubini. Lung and chest wall mechanics in ventilated patients with end stage idiopathic pulmonary fibrosis. *Thorax* 54:390-395;1999
- 45) **S.Nava**. Non-invasive mechanical ventilation: any role in ICU? *Intensive Care Med.* 25:423-424; 1999.
- 46) **S.Nava**, P.Navalesi. Bronchodilators and mechanical ventilation in COPD patients. Emptyng, pumping Or both ? Editorial *Intensive Care Med.* 25:1206-1208 1999
- 47) P.Navalesi, F.Fanfulla, P.Frigerio, C.Gregoretto and **S.Nava** Physiologic evaluation of noninvasive mechanical ventilation delivered with three Types of mask in patients with chronic respiratory failure. *Crit.Care Med.* 28:1785-1790:2000
- 48) **S.Nava**, ML Compagnoni. Controlled short-term trial of fluticasone propionate in ventilator-dependent patients with chronic obstructive pulmonary disease. *Chest* 118:990-999:2000.
- 49) **S.Nava**,ML Compagnoni. Non-invasive mechanical ventilation in hypercapnic respiratory failure: evidence based medicine. *Monaldi Arch.Chest Dis.* 4 vol.55:345-347: 2000
- 50) **S.Nava**, N.Ambrosino. Rehabilitation in the icu: the european phoenix. *Intensive Care Med.* 26:841-844;2000
- 51) M. Moretti, C.Cilione, A Tampieri, C Fracchia, A Marchioni, **S.Nava**. Incidence and causes of non-invasive mechanical ventilation failure after an initial (>48 hrs) successful attempt. *Thorax* 55:819-825:2000

- 52) M.Vitacca, **S:Nava**, Confalonieri M, Bianchi L, Porta R, Clini E, Ambrosino N. The appropriate setting of noninvasive pressure support ventilation in stable COPD Patients. **Chest** 118;1286-1293:2000
- 53) M. Vitacca, N. Ambrosino, E. Clini, R Porta, C. Rampulla, B. Lanini and **S.Nava**. Physiological response to pressure support ventilation delivered before and after extubation in patients not capable of totally spontaneous autonomous breathing. **Am.J.Respir.Crit.Care.Med** 164:638-41:2001
- 54) S. Karakurt, F. Fanfulla **S. Nava** Is it safe for patients with chronic hypercapnic respiratory failure undergoing home non-invasive ventilation to discontinue ventilation briefly? **Chest** 119:1379-86;2001
- 55) **S.Nava**, A.Carlucci Support ventilation versus conventional oxygen. **Lancet. Apr** 7;357(9262):1126-7; 2001.
- 56) **S.Nava**, A.Carlucci. Weaning and noninvasive mechanical ventilation **The European Respiratory Monograph** vol.6 mon.16;pag.172-186: 2001
- 57) **S.Nava**, S.Karakurt, C.Rampulla, A.Braschi, F.Fanfulla Salbutamol delivery during non-invasive mechanical ventilation in patients with COPD: a randomized, controlled study. **Intensive Care Med.** 27:1627-35;2001
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- 59) N.Barbarito, E.De Mattia, **S.Nava** Non invasive ventilation in chronic obstructive pulmonary disease. **Nederlandse Verening voor Intensive Care** 2001 vol.5 n.6: 26-31
- 60) **Nava S**. Fanfulla F, Frigerio P, Navalesi P. Physiologic evaluation of 4 weeks of nocturnal nasal positive pressure ventilation in stable hypercapnic patients with chronic obstructive pulmonary disease. **Respiration** 2001;68:573-83
- 61) Gregoretti C, Confalonieri M, Navalesi P, Squadrone V, Frigerio P, Beltrame F, Carbone G, Conti G, Gamna F, **Nava S**, Calderini E, Skrobik Y and Antonelli M. Evaluation of patient skin breakdown and comfort with a new face mask for non-invasive ventilation: a multi-center study. **Intensive Care Med** 2002 vol.28:278-284
- 62) A. Bellone, L. Spagnolatti, M. Massobrio, E Bellei, R. Vinciguerrra, A. Barbieri, E Iori, S. Bendinelli and **S. Nava** Short-term effects of expiration under positive pressure in patients with acute exacerbation of chronic obstructive pulmonary disease and mild acidosis requiring non-invasive positive pressure ventilation. **Intensive Care Med** 2002 vol.28:581-585
- 63) P.Ceriana,M.Delmastro, **S.Nava** Acute and chronic NIMV applications in COPD patients. **Intensivemedicin und Notfallmedizin- Volume 39 Issue 2 (2002) pp 107- 116**

- 64) B. Schönhofer, S. Euteneuer, **S. Nava**, S. Suchi and D. Köhler. Survival of mechanically ventilated patients admitted to a specialised weaning centre. **Intensive Care Med** 2002 vol.28:908-916
- 65) M. Ferrer, O. Bernadich, **S. Nava**, A. Torres. Noninvasive ventilation after intubation and mechanical ventilation. **Eur.Respir.J.** 2002;19 (5):959-65
- 66) **Nava S**, Piaggi G, De Mattia E, Carlucci A. Muscle retraining in the ICU patients. **Minerva Anesthesiol** 2002 May;68(5):341-5
- 67) M.W. Elliott, M. Confalonieri, **S. Nava** Where to perform noninvasive ventilation? **Eur.Respir.J.** 2002;19 (6):1159-1166
- 68) **S.Nava**, C.Fracchia, G.Callegari, N.Ambrosino, N.Barbarito,G.Felicetti. Weakness of respiratory and skeletal muscles after a short course of steroids in patients with acute lung rejection. **Eur.Respir.J.** 2002;20: 497-499.
- 69) **S.Nava** and A.Carlucci. Non-invasive pressure support ventilation in acute hypoxemic respiratory failure: common strategy for different pathologies? **Intensive Care Med** 2002 vol.28:1205-1207
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- 72) **S Nava**, MT LaRovere, F Fanfulla, P Navalesi, M Delmastro, A Mortara. Orthopnea and inspiratory effort in chronic heart failure patients. **Respiratory Med.** 2003 vol.6:647-653
- 73) **S.Nava** Noninvasive mechanical ventilation. **Respiratory Care** 2003;48:524-525
- 74) Brunetti G. Del Mastro M., **Nava S**, Pignatti, Bossi A, Gatti M, Furione M. Detection of HCV-RNA in bronchoalveolar lavage from a woman with pulmonary fibrosis. **Respiratory Med.** 2003 vol.6:667-738
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