

Assoc. Prof. MEHMET BARAN BALCAN

Personal Information

Birthyear: 1981

Place of birth: Baskil

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Education Information

Expertise In Medicine, Marmara University, School of Medicine, Internal Medical Sciences, Turkey 2007 - 2012

Under Graduate, Marmara University, School of Medicine, Tıp Pr. (İngilizce), Turkey 1999 - 2006

Foreign Languages

English, C1 Advanced

Dissertations

Expertise In Medicine, Dahili yoğun bakım ünitesinde sepsis ve septik şok hastalarında mortaliteyi etkileyen faktörlerin belirlenmesi, Marmara University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 2012

Research Areas

Medicine

Academic Titles / Tasks

Lecturer, Marmara University, School of Medicine, Internal Medical Sciences, 2017 - Continues

Lecturer, Başkent Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 2015 - 2017

Professional Experience

Deputy Chief Physician, Başkent Üniversitesi, İstanbul Sağlık Uygulama Ve Araştırma Merkezi, 2014 - 2017

Courses

Hemoptiziye Yaklaşım, Post Graduate, 2018 - 2019

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Impact of concomitant obstructive sleep apnea on pulmonary involvement and main pulmonary artery diameter in adults with scleroderma.**
Yakut T., Balcan B., Karakurt S., Direskeneli H., Yalcinkaya Y., Peker Y.
Sleep & breathing = Schlaf & Atmung, 2020 (Journal Indexed in SCI Expanded)
- II. **Impact of CPAP treatment on leptin and adiponectin in adults with coronary artery disease and nonsleepy obstructive sleep apnoea in the RICCADSA trial.**
Balcan B., Thunström E., Yucel-Lindberg T., Lindberg K., Ay P., Peker Y.
Sleep medicine, vol.67, pp.7-14, 2020 (Journal Indexed in SCI Expanded)
- III. **CPAP and Health-Related Quality of Life in Adults With Coronary Artery Disease and Nonsleepy Obstructive Sleep Apnea in the RICCADSA Trial.**
Wallström S., Balcan B., Thunström E., Wolf A., Peker Y.
Journal of clinical sleep medicine : JCSM : official publication of the American Academy of Sleep Medicine, 2019 (Journal Indexed in SCI Expanded)
- IV. **Determinants of depressive mood in coronary artery disease patients with obstructive sleep apnea and response to continuous positive airway pressure treatment in non-sleepy and sleepy phenotypes in the RICCADSA cohort**
BALCAN M. B. , THUNSTROM E., STROLLO P., PEKER Y.
JOURNAL OF SLEEP RESEARCH, vol.28, no.4, 2019 (Journal Indexed in SCI)
- V. **Continuous Positive Airway Pressure Treatment and Depression in Adults with Coronary Artery Disease and Nonsleepy Obstructive Sleep Apnea A Secondary Analysis of the RICCADSA Trial**
Balcan B., Thunstrom E., Strollo P. J. , Peker Y.
ANNALS OF THE AMERICAN THORACIC SOCIETY, vol.16, no.1, pp.62-70, 2019 (Journal Indexed in SCI)
- VI. **Increased Mortality Among Renal Transplant Patients With Invasive Pulmonary Aspergillus Infection**
Balcan B., Ozcelik U., Ugurlu A. O. , Aydin M., Nalcaci S., Karakayali F. Y.
PROGRESS IN TRANSPLANTATION, vol.28, no.4, pp.349-353, 2018 (Journal Indexed in SCI)
- VII. **Cardiovascular outcomes of continuous positive airway pressure therapy for obstructive sleep apnea**
Peker Y., Balcan B.
JOURNAL OF THORACIC DISEASE, vol.10, 2018 (Journal Indexed in SCI)
- VIII. **Association Between Severe Vitamin D Deficiency, Lung Function and Asthma Control**
Beyhan-Sagmen S., Baykan O., Balcan B., CEYHAN B.
ARCHIVOS DE BRONCONEUMOLOGIA, vol.53, no.4, pp.186-191, 2017 (Journal Indexed in SCI)
- IX. **Sirolimus-Induced Diffuse Alveolar Hemorrhage: A Case Report**
BALCAN M. B. , Simsek E., Ugurlu A. O. , DEMİRALAY E., ŞAHİN S.
AMERICAN JOURNAL OF THERAPEUTICS, vol.23, no.6, 2016 (Journal Indexed in SCI)
- X. **Effects of biomass smoke on pulmonary functions: a case control study**
BALCAN M. B. , Akan S., Ugurlu A. O. , Handemir B. O., CEYHAN B., ÖZKAYA Ş.
INTERNATIONAL JOURNAL OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE, vol.11, pp.1615-1622, 2016 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Effect of High-Risk Obstructive Sleep Apnea on Clinical Outcomes in Adults with Coronavirus Disease 2019: A Multicenter, Prospective, Observational Cohort Study.**
Peker Y., Celik Y., Arbatli S., Isik S. R. , Balcan B., Karataş F., Uzel F. I. , Tabak L., Çetin B., Baygül A., et al.
Annals of the American Thoracic Society, 2021 (Refereed Journals of Other Institutions)
- II. **Impact of Gender on Symptoms and Comorbidities in Obstructive Sleep Apnea.**
Bostan O. C. , Akcan B., Saydam C. D. , Tekin M., Dascı O., Balcan B.
The Eurasian journal of medicine, vol.53, pp.34-39, 2021 (Refereed Journals of Other Institutions)

- III. Relationship between mannose-binding lectin and febrile neutropenia in acute leukemia patients**
Akan S., Bakanay S. M. , Bilen Y., Balcan B., Erdem F.
ANNALS OF CLINICAL AND ANALYTICAL MEDICINE, vol.11, no.5, pp.402-405, 2020 (Journal Indexed in ESCI)
- IV. Clinical impact of depression and anxiety in patients with non-cystic fibrosis bronchiectasis.**
BEKİR M., KOCAKAYA D., BALCAN M. B. , OLGUN YILDIZELİ Ş., ERYÜKSEL S. E. , CEYHAN B.
Tuberkuloz ve toraks, vol.68, no.2, pp.103-111, 2020 (Journal Indexed in ESCI)
- V. Procalcitonin-Guided Antibiotic Treatment in Lower Respiratory Tract Infections**
Kalamanoglu B. M. , BALCAN M. B. , OLGUN YILDIZELİ Ş., CEYHAN B.
Journal of Academic Research in Medicine, vol.8, pp.72-78, 2018 (Other Refereed National Journals)
- VI. Rationale and Design of the Turkish Sleep Apnea Database - TURKAPNE: A National, Multicenter, Observational, Prospective Cohort Study**
Peker Y., KAÇMAZ BAŞOĞLU Ö., Firat H., Ursavas A., Ugurlu A. O. , Balcan B., Kerget B., Algin D. I. , Karadeniz D., Dursunoglu D., et al.
TURKISH THORACIC JOURNAL, vol.19, no.3, pp.136-140, 2018 (Journal Indexed in ESCI)
- VII. Altered pulmonary functions due to biomass smoke in a rural population of Turkish women: a descriptive study**
Balcan B., Akan S., Ozsancak Ugurlu A., CEYHAN B.
TUBERKULOZ VE TORAK-TUBERCULOSIS AND THORAX, vol.66, no.2, pp.122-129, 2018 (Journal Indexed in ESCI)
- VIII. Results of Polysomnographies and Treatment Strategies in Elderly Patients with Symptoms of Obstructive Sleep Apnea Syndrome**
BALCAN M. B. , ÖZSANCAK UĞURLU A.
Turkish Thoracic Journal, vol.18, pp.108-113, 2017 (Other Refereed National Journals)
- IX. Influence of Statin Therapy on Exacerbation Frequency in Patients with Chronic Obstructive Pulmonary Disease**
OLGUN YILDIZELİ Ş., Balcan B., Eryueksel E., CEYHAN B., KARAKURT S., Celikel T.
TURKISH THORACIC JOURNAL, vol.18, no.2, pp.29-32, 2017 (Journal Indexed in ESCI)
- X. Influence of rosuvastatin treatment on airway inflammatory markers and health related quality of life domains in asthmatic patients**
OLGUN YILDIZELİ Ş., Kocakaya D., Balcan B., Ikinci A., Ahiskali R., CEYHAN B.
MARMARA MEDICAL JOURNAL, vol.30, no.2, pp.73-81, 2017 (Journal Indexed in ESCI)
- XI. Accidental Nitric acid Gas Exposure and Respiratory Effect**
OLGUN YILDIZELİ Ş., ERYÜKSEL S. E. , BALCAN M. B. , BAYRAM B., CEYHAN B.
Journal of Epidemiology and Public Health Reviews, 2016 (Refereed Journals of Other Institutions)
- XII. Level of adrenomedullin in cases with adrenal deficiency and its relation to mortality in patients with sepsis**
BALCAN M. B. , OLGUN YILDIZELİ Ş., AKBAŞ T., ERYÜKSEL S. E. , KARAKURT S.
Tuberkuloz ve Toraks, vol.64, pp.191-197, 2016 (Refereed Journals of Other Institutions)
- XIII. Wegener Granulomatosis Complicated by Brain Abscess Caused by Nocardia spp.**
ŞAHİN S., BALCAN M. B. , KIZILTAŞ Ş., AYDIN M.
Journal of Academic Research in Medicine, vol.6, pp.126-128, 2016 (Other Refereed National Journals)
- XIV. Non-Healing Radiologic Images of Cement Pulmonary Embolism after Percutaneous Vertebroplasty**
OLGUN YILDIZELİ Ş., ERYÜKSEL S. E. , DEDE F., BALCAN M. B. , CEYHAN B.
Journal of Clinical Case Studies, vol.1, 2016 (Refereed Journals of Other Institutions)
- XV. New bronchodilators in treatment of chronic obstructive pulmonary disease**
BALCAN M. B.
Marmara Medical Journal, vol.29, pp.23, 2016 (Other Refereed National Journals)
- XVI. Determination of Factors Affecting Mortality of Patients with Sepsis in a Tertiary Intensive Care Unit**
Balcan B., OLGUN YILDIZELİ Ş., Torlak F., Sagmen S. B. , Eryuksel E., KARAKURT S.
TURKISH THORACIC JOURNAL, vol.16, no.3, pp.128-132, 2015 (Journal Indexed in ESCI)
- XVII. Tru-cut biopsy in cryptogenic organizing pneumonia**
Balcan B., OLGUN YILDIZELİ Ş., Sagmen S. B. , Bagci Ceyhan B.

Books & Book Chapters

- I. PREVALENCE OF SLEEP DISORDERED BREATHING (SDB) IN PATIENTS WITH MECHANICAL VENTILATION
Balcan M. B.
in: SLEEP MEDICINE in CRITICAL CARE MEDICINE Diagnosis and practical approach, Antonio Esquinas, Editor, NOVA Science Publishers Inc., New-York, pp.1032-1040, 2020
- II. Impact of Positive Airway Pressure on Quality of Life, Excessive Daytime Sleepiness and Depressive Mood in Patients with Obstructive Sleep Apnea
Balcan M. B.
in: Year-book of non invasive ventilation in Sleep and Pulmonary Critical Care, Antonio Esquinass, Editor, NOVA Science Publishers Inc., New-York, pp.111-120, 2020
- III. Yükseklikte Bağlı Pulmoner Vasküler Hastalıklar
Balcan M. B.
in: Pulmoner Vasküler Hastalıklar, Muzaffer MetintAŞ, Editor, İstanbul Medikal Yayıncılık, İstanbul, pp.239-241, 2019
- IV. pH and PaCO₂ Acute Hypercapnic Respiratory Failure
Balcan M. B.
in: Non-Invasive Ventilation: A Practical Handbook for Understanding the Causes of Treatment Success and Failure, Antonio Esquinas, Editor, NOVA Science Publishers Inc., New-York, pp.258-276, 2019
- V. Böbrek Hastalıklarında Solunum Fizyolojisinde Değişiklikler
Balcan M. B.
in: Solunum fizyolojisi ve fizyopatolojisi, Muzaffer MetintAŞ, Editor, İstanbul Kitabevi, İstanbul, pp.299-306, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. Night-to-night variability of polygraphy in children with obstructive sleep apnea
ERDEM ERALP E., YILMAZ YEGIT C., GÖKDEMİR Y., ERGENEKON A. P., YILMAZ M., BALCAN M. B., ERSU R.
Paediatric respiratory physiology and sleep, 7 - 09 September 2020
- II. Clinical and polysomnographic determinants of REM predominant obstructive sleep apnoea and response to treatment in a revascularized coronary artery disease cohort
BALCAN M. B., NEWITT J., SEYED M. N., STROLLO P., THUNSTROM E., PEKER Y.
European Respiratory Congress, 7 - 09 September 2020
- III. 00734 FACTORS ASSOCIATED WITH PROGRESSION TO CRITICAL ILLNESS IN 28 DAYS AMONG COVID-19 PATIENTS: RESULTS FROM A TERTIARY CARE HOSPITAL IN ISTANBUL, TURKEY
SİLİ U., AY N. P., TOPUZOĞLU A., BİLGİN H., TİGEN E., ERTÜRK ŞENGEL B., YAĞÇI ÇAĞLAYIK D., BALCAN M. B., KOCAKAYA D., OLGUN YILDIZELİ Ş., et al.
ECCVID CONFERENCE ON CORONAVIRUS DISEASE, Switzerland, 23 - 25 September 2020
- IV. Sex differences in symptoms and comorbidities among adults in a sleep apnea cohort
CAN BOSTAN Ö., AKCAN B., BALCAN M. B., PEKER Y.
EUROPEAN RESPIRATORY CONGRESS 2019, 29 September - 02 October 2019
- V. Association between plasma leptin and obstructive sleep apnoea in non-obese patients with coronary artery disease
BALCAN M. B., THUNSTROM E., YUCEL LINDEBERG T., PEKER Y.
European Respiratory Congress 2019, 29 September - 02 October 2019
- VI. The Impact of REM-AHI on Revascularized Cardiac Patients
NEWITT J., STROLLO P., BALCAN M. B., THUNSTROM E., PEKER Y.

WORLD SLEEP CONGRESS 2019, 20 - 25 September 2019

- VII. **Impact of CPAP Treatment on Leptin and Adiponectin in Coronary Artery Disease and Nonsleepy Obstructive Sleep Apnea-A Secondary Analysis of the RICCADSA Trial**
PEKER Y., BALCAN M. B., YUCEL LINDEBERG T., LINDEBERG K., THUNSTROM E.
American Thoracic Society Congress 2019, 17 - 22 May 2019
- VIII. **Obstrüktif uyku apnesinde cinsiyet farkının semptomlar ve ek hastalıklar üzerindeki etkisi**
CAN BOSTAN Ö., AKCAN B., BALCAN M. B., PEKER Y.
Türk toraks Derneği uluslararası katılımlı yıllık kongresi, 10 - 14 April 2019
- IX. **Kronik tromboembolik pulmoner hipertansiyon hastalarında uyku ilişkili solunum bozuklukları prevalansı**
ÇINAR C., OLGUN YILDIZELİ Ş., PEKER Y., YILDIZELİ B., BALCAN M. B.
Türk toraks Derneği uluslararası katılımlı yıllık kongresi, 10 - 14 April 2019
- X. **Revaskülerize olan koroner kalp hastalarında obstrüktif uyku apnesi, obezite ve plazma leptin düzeyi ilişkisi**
BALCAN M. B., PEKER Y.
19. Ulusal Uyku Tıbbı Kongresi, Turkey, 26 - 30 September 2018
- XI. **Polysomnographic and echocardiographic characteristics of nonsleepy obstructive sleep apnoea in patients with coronary artery disease**
PEKER Y., BALCAN M. B., Glantz H., THUNSTROM E.
European Respiratory Congress 2018, 15 - 19 September 2018
- XII. **Depression and response to CPAP treatment in coronary artery disease patients with sleepy vs nonsleepy obstructive sleep apnoea**
BALCAN M. B., THUNSTROM E., PEKER Y.
European Respiratory Congress 2018, 15 - 19 September 2018
- XIII. **Determinants of enlarged main pulmonary artery diameter in patients with scleroderma and concomitant obstructive sleep apnoea**
YAKUT T., BALCAN M. B., KARAKURT S., DİRESKENELİ R. H., YALÇINKAYA Y., PEKER Y.
European Respiratory Congress, 15 - 19 September 2018
- XIV. **Impact of CPAP Treatment On Depression In Patients With Coronary Artery Disease And Nonsleepy Obstructive Sleep Apnea: The RICCADSA Randomized Controlled Trial**
PEKER Y., BALCAN M. B., THUNSTROM E., STROLLO P.
American Thoracic Society Congress, 18 - 23 May 2018
- XV. **Obez olmayan koroner kalp hastalarında plazma leptin düzeyi ile obstrüktif uyku apnesi arasındaki ilişki ve CPAP tedavisine yanıt**
BALCAN M. B., PEKER Y.
Uyku Derneği 7. Uyku Bozuklukları Kongresi, Turkey, 27 April - 01 May 2018
- XVI. **65 yaş üstü biyomas dumanına maruz kalan kadınlarda solunum fonksiyon testi parametrelerinin değerlendirilmesi**
BALCAN M. B.
Akademik Geriatri Kongresi 2018, Turkey, 19 - 23 April 2018
- XVII. **İnvaziv pulmoner aspergilloz olan böbrek nakil hastalarında mortaliteyi etkileyen faktörlerin belirlenmesi**
BALCAN M. B., ÖZSANCAK UĞURLU A.
Toraks Kongresi 2018, Turkey, 11 - 15 April 2018
- XVIII. **Koroner kalp hastalarında gündüz aşırı uykululuk hali olan ve olmayan obstruktif uyku apnesi fenotipleri**
BALCAN M. B., PEKER Y.
Toraks Kongresi 2018, Turkey, 11 - 15 April 2018
- XIX. **Effect of one-year CPAP treatment on mood in patients with coronary artery disease and obstructive sleep apnea**
BALCAN M. B., PEKER Y., Thunström E.

- World Sleep Congress, 7 - 10 October 2017
- XX. **Determinants of non-sleepy sleepy phenotypes of obstructive sleep apnea in a re-vascularized coronary artery disease**
PEKER Y., BALCAN M. B., YUCEL LINDEBERG T., LINDEBERG K., THUNSTROM E.
World Sleep Congress, 7 - 10 October 2017
- XXI. **Level of adrenomedullin in cases with adrenal aefficiency and its relation to mortality in patients with sepsis**
BALCAN M. B., OLGUN YILDIZELİ Ş., AKBAŞ T., ERYÜKSEL S. E., KARAKURT S.
European Respiratory Society Congress 2016, 3 - 07 September 2016
- XXII. **Sirolimus induced diffuse alveolar hemorrhage: A case report**
BALCAN M. B., ŞİMŞEK E., ÖZSANCAK UĞURLU A., DEMİRALAY E., ŞAHİN S.
European Respiratory Society Congress 2016, 3 - 07 September 2016
- XXIII. **Level of adrenomedullin in cases with adrenal efficiency and its relation to mortality in patients with sepsis**
BALCAN M. B., OLGUN YILDIZELİ Ş., AKBAŞ T., ERYÜKSEL S. E., KARAKURT S.
EUROPEAN RESPIRATORY SOCIETY ANNUAL CONGRESS, 3 - 07 September 2016
- XXIV. **The effects of biomass smoke on pulmonary functions (case-control)**
BALCAN M. B., AKAN S., ÖZÇELİK HANDEMİR B., ÖZSANCAK UĞURLU A., CEYHAN B.
19. toraks kongresi, Turkey, 6 - 10 April 2016
- XXV. **Obstruktif uyku apnesi açısından semptomatik yaşlı hastalarda polisomnografi testi sonuçları ve tedavi stratejileri**
BALCAN M. B., ÖZSANCAK UĞURLU A.
Ulusal akciğer sağlığı kongresi 2016, Turkey, 16 - 20 March 2016
- XXVI. **Kırsal Alanda Yaşayan Türk Kadınlarında Biyomass Maruziyetinin Solunum Fonksyonları Üzerine Etkileri**
BALCAN M. B., AKAN S., ÖZÇELİK HANDEMİR B., ÖZSANCAK UĞURLU A., CEYHAN B.
37. ulusal TUSAD kongresi, Turkey, 17 - 21 October 2015
- XXVII. **Sirolimusa bağlı yaygın alveolar kanama**
BALCAN M. B., ŞİMŞEK E., ÖZSANCAK UĞURLU A., DEMİRALAY E., ŞAHİN S.
37. ulusal TUSAD kongresi, Turkey, 17 - 21 October 2015
- XXVIII. **Level of adrenomedullin in cases with adrenal defficiency and its relation to mortality in patients with sepsis**
BALCAN M. B., OLGUN YILDIZELİ Ş., AKBAŞ T., ERYÜKSEL S. E., KARAKURT S.
Ulusal dahili cerrahi bilimler yoğun bakım kongresi, Turkey, 7 - 11 October 2015
- XXIX. **Effect of biomass exposure on lung function**
BALCAN M. B., AKAN S., CEYHAN B.
European Respiratory Congress 2015, 26 - 30 September 2015
- XXX. **ADRENAL YETMEZLİĞİ OLAN SEPSİS VE SEPTİK ŞOK HASTALARINDA PROADRENOMEDÜLLİN VE DİĞER PROGNOSTİK GÖSTERGEÇLERİN MORTALİTE İLE İLİŞKİSİ**
BALCAN M. B., OLGUN YILDIZELİ Ş., AKBAŞ T., ERYÜKSEL S. E., KARAKURT S.
TÜRK TORAKS DERNEĞİ 17. YILLIK KONGRESİ, Turkey, 2 - 06 April 2014
- XXXI. **Dahili yoğun bakım ünitesinde sepsisle yatan hastalarda prognostik faktörlerin belirlenmesi**
BALCAN M. B., OLGUN YILDIZELİ Ş., BEYHAN SAĞMEN S., TORLAK F., ERYÜKSEL S. E., KARAKURT S.
9. Ulusal Dayili ve Cerrahi Yoğun Bakım Kongresi, Turkey, 7 - 10 November 2012
- XXXII. **DAHİLİ YOĞUN BAKIM ÜNİTESİNDE SEPSİS İLE YATAN HASTALARDA PROGNOSTİK FAKTÖRLERİN BELİRLENMESİ**
BALCAN M. B., OLGUN YILDIZELİ Ş., SEDA B. S., ARIKAN H., ERYÜKSEL S. E., KARAKURT S.
9. ULUSAL DAHİLİ VE CERRAHİ BİLİMLER YOĞUN BAKIM KONGRESİ 2012, Turkey, 04 November 2012
- XXXIII. **PROGNOSTIC FACTORS OF MORTALITY IN MULTI RESISTANT ACINETOBACTER BAUMANNII INFECTIONS IN AN INTENSIVE CARE UNIT**
OLGUN YILDIZELİ Ş., BALCAN M. B., kocakaya d., SAĞMEN BEYHAN S., KARAKURT S., ÇELİKEL T. H.

Memberships / Tasks in Scientific Organizations

TURKISH THORACIC SOCIETY, Member, 2008 - Continues, Turkey

Scientific Refereeing

TURKISH THORACIC JOURNAL, Journal Indexed in SCI-E, April 2019

TURKISH THORACIC JOURNAL, Journal Indexed in SCI-E, January 2017

ANADOLU KARDIYOLOJİ DERGİSİ-THE ANATOLIAN JOURNAL OF CARDIOLOGY, SCI Journal, October 2016

Tasks In Event Organizations

Balcan M. B., TÜRK TORAKS DERNEĞİ 24. YILLIK ULUSAL KONGRESİ, Scientific Congress, Turkey, Kasım 2021

Edit Congress and Symposium Activities

Pulmonary Vascular Diseases, Invited Speaker, İstanbul, Turkey, 2019

Citations

Total Citations (WOS):50

h-index (WOS):4

Awards

Balcan M. B., Ulusal Akciğer Sağlığı Ödülü, Türk Toraks Derneği, 22. Uluslararası Katılımlı Yıllık Kongresi., April 2019

Balcan M. B., Uyku Bozuklukları Çalışma Grubu Sözlü Bildiri Ödülü, Türk Toraks Derneği, April 2018