

Continuing Medical Education: credits calculated as 60 minutes = 1 credit

Maximum CME credits available for ATS 2019 = 43.5 (PG Max. = 14.5, Conference Max. = 29)

Please Note: Mini Symposia, Poster Discussion Sessions and Thematic Poster Sessions are not eligible for CME credit

Friday, May 17, 2019 Postgraduate Courses			
Session Code	CME Credits	Time	Session Title
PG1A	7	8:00 AM - 4:00 PM	CRITICAL CARE ULTRASOUND AND ECHOCARDIOGRAPHY I
PG2	6.5	8:00 AM - 4:00 PM	ECMO FOR EXPERIENCED PROVIDERS
PG3	6.5	8:00 AM - 4:00 PM	A RESEARCHER'S GUIDE TO INTEGRATING THE PULMONARY 'OMICSVERSE
PG4	7	8:00 AM - 4:00 PM	FUNDAMENTALS OF WRITING SUCCESSFUL MENTORED CLINICAL RESEARCH GRANTS (FUND ME)
PG5	6.5	8:00 AM - 4:00 PM	THORACIC IMAGING FOR PULMONARY MEDICINE AND CRITICAL CARE PRACTITIONERS
PG6	6.5	8:00 AM - 4:00 PM	INTERSTITIAL LUNG DISEASE: CURRENT TRENDS IN DIAGNOSIS AND MANAGEMENT
PG7	7	8:00 AM - 4:00 PM	ADVANCING CARE OF SICKLE CELL LUNG DISEASE: A PRACTICAL GUIDE TO PATIENT MANAGEMENT
PG8	6.5	8:00 AM - 4:00 PM	PROCEEDINGS FROM THE WORLD SYMPOSIUM 2018: WHAT DO WE NEED TO KNOW MOVING FORWARD?
PG9	7	8:00 AM - 4:00 PM	FUNCTIONAL ASSESSMENTS IN LUNG DISEASE: STRENGTH, ACTIVITY AND CARDIOPULMONARY EXERCISE TESTING WITH CASE CONFERENCE
PG10	6.5	8:00 AM - 4:00 PM	RESPIRATORY PHYSIOLOGY INTERACTIVE
PG11	6	8:00 AM - 4:00 PM	CARDIOMETABOLIC OUTCOMES OF OBSTRUCTIVE SLEEP APNEA TREATMENT: FROM EVIDENCE INTO PRACTICE
PG12	6.75	8:00 AM - 4:00 PM	STATE OF THE ART: LUNG CANCER 2019

Saturday, May 18, 2019 Postgraduate Courses			
Session Code	CME Credits	Time	Session Title
PG1B	7	8:00 AM - 4:00 PM	CRITICAL CARE ULTRASOUND AND ECHOCARDIOGRAPHY II
PG13	6.5	8:00 AM - 4:00 PM	BRONCH DAY 2019: A COMPREHENSIVE, HANDS-ON GUIDE TO BASIC BRONCHOSCOPY, EBUS, AND NAVIGATIONAL BRONCHOSCOPY



Saturday, May 18, 2019 (continued)

Postgraduate Courses

Session Code	CME Credits	Time	Session Title
PG14	6.5	8:00 AM - 4:00 PM	ASTHMA STATE OF THE ART 2019
PG15	6.5	8:00 AM - 4:00 PM	A CLINICIAN'S GUIDE TO LUNG TRANSPLANTATION
PG16	7	8:00 AM - 4:00 PM	INTERSTITIAL LUNG DISEASE: DELIVERING OPTIMAL, PATIENT CENTERED CARE
PG17	6	8:00 AM - 4:00 PM	A PHYSIOLOGIC APPROACH TO MANAGEMENT OF SHOCK
PG18	7.5	8:00 AM - 4:00 PM	TEACHING AND RESEARCHING IN RESOURCE CONSTRAINED SETTINGS: A GUIDE TO GLOBAL PULMONARY CRITICAL CARE MEDICINE
PG19	7	8:00 AM - 4:00 PM	RESPIRATORY PHYSIOLOGY OVER THE LIFESPAN: WHEN IT'S RIGHT AND WHEN IT'S NOT
PG20	6.75	8:00 AM - 4:00 PM	OPTIMIZING MANAGEMENT OF THE PATIENT WITH SEVERE BRONCHOPULMONARY DYSPLASIA
PG21	6.5	8:00 AM - 4:00 PM	LUNG INNATE IMMUNITY: ON THE FRONTLINES OF HOST DEFENSE
PG22	7	8:00 AM - 4:00 PM	ALL THINGS NTM: A ROAD MAP TO THE DIAGNOSIS AND MANAGEMENT OF NONTUBERCULOUS MYCOBACTERIA
PG23	6.5	8:00 AM - 4:00 PM	HIGH-CONTENT SINGLE-CELL TECHNIQUES TO STUDY LUNG IN HEALTH AND DISEASE
PG24	7	8:00 AM - 4:00 PM	PULMONARY FUNCTION TESTING IN THE REAL WORLD: 2019 UPDATES ON THE ART AND SCIENCE OF PFT
PG25	6.5	8:00 AM - 4:00 PM	VENTILATORY COMPLICATIONS OF HEART FAILURE

Sunday, May 19, 2019

Session Code	CME Credits	Time	Session Title
PCC1	1	6:45 AM - 7:45 AM	PEDIATRIC CLINICAL CORE CURRICULUM
K1	0.75	8:00 AM - 8:45 AM	WHEN EXPERTS DISAGREE: THE ART OF MEDICAL DECISION MAKING
K2	0.75	8:00 AM - 8:45 AM	IMPLEMENTATION SCIENCE: HOW CAN IT SUPPORT HEALTH RESEARCH?
A1	2	9:15 AM - 11:15 AM	CLINICAL YEAR IN REVIEW 1
A2	2	9:15 AM - 11:15 AM	THE NEW ENGLAND JOURNAL OF MEDICINE AND JAMA. DISCUSSION ON THE EDGE: REPORTS OF RECENTLY PUBLISHED PULMONARY RESEARCH
A3	2	9:15 AM - 11:15 AM	WHEN THERE IS NO RIGHT ANSWER: A PRO/CON DEBATE ON CONTROVERSIES IN ILD
A4	2	9:15 AM - 11:15 AM	DO I HAVE TO? RE-EVALUATING COMMON PRACTICES IN THE ICU



Sunday, May 19, 2019 (continued)

Session Code	CME Credits	Time	Session Title
A5	2	9:15 AM - 11:15 AM	CELL FATE DETERMINATION IN THE LUNG IN HEALTH AND DISEASE: LOCATION AND NEIGHBORS MATTER
A6	2	9:15 AM - 11:15 AM	PAP FOR ALL OR PAP FOR FEW: CONTROVERSIES IN MANAGEMENT OF SLEEP-DISORDERED BREATHING
A7	2	9:15 AM - 11:15 AM	BREAKING THE PARADIGM: EARLY ORIGINS OF COPD
A8	2	9:15 AM - 11:15 AM	CROSSING THE BORDER: MILDLY INCREASED PULMONARY ARTERY PRESSURE AND THE NEW DEFINITION OF PULMONARY HYPERTENSION
A9	2	9:15 AM - 11:15 AM	NOVEL BIOMARKERS FOR THE DIAGNOSIS, PHENOTYPING, AND MANAGEMENT OF PEDIATRIC LUNG DISEASES
A10	2	9:15 AM - 11:15 AM	TREATING ASTHMA IN PATIENTS WITH OBESITY: THE NEED FOR A NEW APPROACH
A11	2	9:15 AM - 11:15 AM	CRITICAL CARE 2.0: INTEGRATING BIG DATA, CLINICAL TRIALS, AND IMPLEMENTATION SCIENCE TO CREATE A LEARNING ICU SYSTEM
A12	2	9:15 AM - 11:15 AM	CAREGIVER BURDEN: BIDIRECTIONAL IMPACT OF PULMONARY, CRITICAL CARE, AND SLEEP DISORDERS ON THE ENTIRE FAMILY
A13	2	9:15 AM - 11:15 AM	STATE OF THE ART TREATMENT OF TOBACCO DEPENDENCE
CC1	1.5	11:45 AM - 1:15 PM	PULMONARY CLINICAL CORE CURRICULUM I
WS1	1.5	11:45 AM - 1:15 PM	TEACHING IN THE ICU PEARLS AND PITFALLS
WS2	1.5	11:45 AM - 1:15 PM	ENHANCING GRANTSMANSHIP: UNDERSTANDING THE GRANT REVIEW PROCESS
ME1	1	12:15 PM - 1:15 PM	HARNESSING THE POWER OF SOCIAL MEDIA AND FREE OPEN ACCESS MEDICAL EDUCATION (#FOAMED): AN INTERACTIVE WORKSHOP FOR MEDICAL EDUCATORS
MP401	1	12:15 PM - 1:15 PM	THE INFLUENCE OF SEX HORMONES ON ALLERGIC DISEASE AND ASTHMA
MP402	1	12:15 PM - 1:15 PM	BRONCHIECTASIS: CASE BASED CONTROVERSIES IN CLINICAL CARE
MP403	1	12:15 PM - 1:15 PM	NEW FLEISCHNER SOCIETY GUIDELINES FOR PULMONARY NODULES
MP404	1	12:15 PM - 1:15 PM	IMMUNE CHECKPOINT INHIBITOR PNEUMONITIS: CASES, QUESTIONS AND CONTROVERSIES
MP405	1	12:15 PM - 1:15 PM	STATISTICAL CHALLENGES IN THE ANALYSIS OF PULMONARY DATA: REAL WORLD EXAMPLES FROM THE DUKE CLINICAL RESEARCH INSTITUTE
MP406	1	12:15 PM - 1:15 PM	LUNG TRANSPLANTATION FOR IPF
MP407	1	12:15 PM - 1:15 PM	DIAGNOSIS AND TREATMENT OF RAPIDLY PROGRESSIVE INTERSTITIAL LUNG DISEASE
MP408	1	12:15 PM - 1:15 PM	CANNABIS 2019: PROMISES AND PERILS OF THE GREEN CROSS
MP409	1	12:15 PM - 1:15 PM	FROM PAP TO APP: NUTS AND BOLTS OF PEDIATRIC CPAP



Sunday, May 19, 2019 (continued)

Session Code	CME Credits	Time	Session Title
MP410	1	12:15 PM - 1:15 PM	ENDEMIC MYCOSES OF NORTH AMERICA AND BEYOND
MP411	1	12:15 PM - 1:15 PM	IDENTIFYING MIMICS OF IDIOPATHIC PULMONARY FIBROSIS: HOW AND WHY
MP412	1	12:15 PM - 1:15 PM	ADVANCED SLEEP LAB TITRATION PROTOCOLS FOR CHRONIC HYPOVENTILATION SYNDROMES
MP413	1	12:15 PM - 1:15 PM	PULMONARY COMPLICATIONS OF CANCER IMMUNOTHERAPY
A81	2	2:15 PM - 4:15 PM	PEDIATRIC YEAR IN REVIEW
A82	2	2:15 PM - 4:15 PM	CYSTIC FIBROSIS: HETEROGENEITY IN A MONOGENIC DISEASE
A83	2	2:15 PM - 4:15 PM	GREAT CASES: CLINICAL, RADIOLOGIC, AND PATHOLOGIC CORRELATIONS BY MASTER PHYSICIANS
A84	2	2:15 PM - 4:15 PM	JAMA AND THE NEW ENGLAND JOURNAL OF MEDICINE. DISCUSSION ON THE EDGE: REPORTS OF RECENTLY PUBLISHED CRITICAL CARE RESEARCH
A85	2	2:15 PM - 4:15 PM	LIVING AND DYING BY LIPIDS: RESOLVING INFLAMMATION AND TEMPTING CELL FATE
A86	2	2:15 PM - 4:15 PM	MECHANOPHARMACOLOGY OF AIRWAY AND AIRWAY SMOOTH MUSCLE
A87	2	2:15 PM - 4:15 PM	KNOWLEDGE GAPS AND PATHWAYS FORWARD IN RV FAILURE RESEARCH: RECOMMENDATIONS FROM AN OFFICIAL ATS RESEARCH STATEMENT ON RV FAILURE
A88	2	2:15 PM - 4:15 PM	RETHINKING OXYGEN: GETTING THE RIGHT OXYGEN TO THE RIGHT PATIENT
A89	2	2:15 PM - 4:15 PM	COMMUNITY-ACQUIRED PNEUMONIA 2019: AN INTERACTIVE SESSION
A90	2	2:15 PM - 4:15 PM	ICU-ACQUIRED WEAKNESS: A RAPID-FIRE DISCUSSION OF EMERGING ISSUES AND NEW INSIGHTS
A91	2	2:15 PM - 4:15 PM	WHAT YOU CAN'T SEE MIGHT HURT YOU: THE INTERPLAY BETWEEN THE MICROBIOME AND IMMUNITY IN LUNG DISEASE
A92	N/A	2:15 PM - 4:15 PM	HEALTH IMPACTS OF MARIJUANA: STATE OF THE SCIENCE AND FUTURE DIRECTIONS

Monday, May 20, 2019

Session Code	CME Credits	Time	Session Title
PCC2	1	6:45 AM - 7:45 AM	PEDIATRIC CLINICAL CORE CURRICULUM
SS101	1	6:45 AM - 7:45 AM	SEVERE ASTHMA: BREAKING DOWN THE BASICS OF ADVANCED ASTHMA THERAPIES



Monday, May 20, 2019 (continued)

Session Code	CME Credits	Time	Session Title
SS102	1	6:45 AM - 7:45 AM	TARGETED THERAPEUTICS IN CYSTIC FIBROSIS
SS103	1	6:45 AM - 7:45 AM	STATE OF THE ART AND FUTURE "OMIC" APPROACHES TO DETECT LUNG TRANSPLANT REJECTION
SS104	1	6:45 AM - 7:45 AM	DIFFUSE CYSTIC LUNG DISEASE: EVALUATION AND MANAGEMENT
SS105	1	6:45 AM - 7:45 AM	ILD DIAGNOSIS: SURGICAL LUNG BIOPSY, CRYOBIOPSY, AND EMERGING CUTTING-EDGE OPTICAL IMAGING TECHNIQUES
SS106	1	6:45 AM - 7:45 AM	DIAGNOSIS AND MANAGEMENT OF MASSIVE HEMOPTYSIS
SS107	1	6:45 AM - 7:45 AM	THE CHANGING LANDSCAPE OF ONCOLOGIC CRITICAL CARE
SS108	1	6:45 AM - 7:45 AM	2020 VISION: UPDATE ON THE INTERNATIONAL CLASSIFICATION OF PNEUMOCONIOSIS AND DIGITAL CHEST IMAGING
SS109	1	6:45 AM - 7:45 AM	BEST LAID PLANS: IMPROVING CLINICAL TRIAL QUALITY THROUGH INTERVENTION FIDELITY MONITORING
SS110	1	6:45 AM - 7:45 AM	THE BUGS THAT SHAPE US: UNDERSTANDING EVIDENCE ON THE EARLY-LIFE RESPIRATORY MICROBIOME
SS111	1	6:45 AM - 7:45 AM	PULMONARY HYPERTENSION IN THE ICU: A STEPWISE APPROACH
SS112	1	6:45 AM - 7:45 AM	MACROLIDE-RESISTANT MYCOBACTERIUM AVIUM COMPLEX PULMONARY DISEASE: CURRENT CONCEPTS
SS113	1	6:45 AM - 7:45 AM	METHODS IN CHARACTERIZING MUCOUS CELL METAPLASIA
SS114	1	6:45 AM - 7:45 AM	CARDIAC DISEASE AND BETA RECEPTORS IN COPD
SS115	1	6:45 AM - 7:45 AM	EVALUATION AND MANAGEMENT OF SLEEP-DISORDERED BREATHING IN PREGNANCY
SS116	1	6:45 AM - 7:45 AM	LUNG CANCER CHEMOPREVENTION: FROM BENCH TO BEDSIDE
SS117	1	6:45 AM - 7:45 AM	E-CIGARETTES: EPIDEMIOLOGY, TOXICOLOGY, AND WHY THEY SHOULD NOT BE RECOMMENDED FOR SMOKING CESSATION
K3	0.75	8:00 AM - 8:45 AM	DATA SHARING IN THE CONTEXT OF CLINICAL TRIALS
K4	0.75	8:00 AM - 8:45 AM	UNRAVELLING THE MYSTERY OF BREATHLESSNESS IN COPD
B1	2	9:15 AM - 11:15 AM	CLINICAL YEAR IN REVIEW 2
B2	2	9:15 AM - 11:15 AM	ENDOBONCHIAL VALVE TREATMENT IN PATIENTS WITH ADVANCED EMPHYSEMA: ITS TIME HAS COME
B3	2	9:15 AM - 11:15 AM	FELLOWS CASE CONFERENCE
B4	2	9:15 AM - 11:15 AM	KEEPING MY CRITICALLY ILL PATIENT COMFORTABLE, AWAKE, ENGAGED, AND MOVING
B5	2	9:15 AM - 11:15 AM	TILL DEATH DO US PART: CELL FATE AND OBSTRUCTIVE LUNG DISEASE
B6	2	9:15 AM - 11:15 AM	BORN TOO SOON: THE EFFECTS OF PREMATURITY ON THE NEONATAL/DEVELOPING LUNG



Monday, May 20, 2019 (continued)

Session Code	CME Credits	Time	Session Title
B7	2	9:15 AM - 11:15 AM	GLOBAL PERSPECTIVES ON CLIMATE CHANGE: IMPACT ON SUSCEPTIBLE POPULATIONS AND LOW-INCOME COUNTRIES
B8	2	9:15 AM - 11:15 AM	ENSURING BROAD DISSEMINATION AND EQUITABLE ACCESS TO LUNG CANCER SCREENING: CHALLENGES AND OPPORTUNITIES
B9	2	9:15 AM - 11:15 AM	ADDICTING A NEW GENERATION: JUULING, VAPING, HEAT NOT BURN, FLAVORINGS, AND THE EVIDENCE FOR WHY WE SHOULD BE VERY CONCERNED
B10	N/A	9:15 AM - 11:15 AM	HUMAN LUNG CELL ATLAS: BEYOND SINGLE CELL RNA-SEQUENCING
B11	2	9:15 AM - 11:15 AM	LUNG-OMICS: TO BOLDLY GO...
B12	2	9:15 AM - 11:15 AM	HOT TOPICS IN MEDICAL EDUCATION: WHAT'S NEW IN '19
B13	2	9:15 AM - 11:15 AM	50 YEARS OF PROGRESS IN PULMONARY SCIENCE
CC2	1.5	11:45 AM - 1:15 PM	SLEEP MEDICINE CLINICAL CORE CURRICULUM I
WS3	1.5	11:45 AM - 1:15 PM	DEMISTIFYING PEDIATRIC EXERCISE TESTING INTERPRETATION
WS4	1.5	11:45 AM - 1:15 PM	PROMOTING WELLNESS IN HEALTH CARE TEAMS: A PRACTICAL APPROACH
ME2	1	12:15 PM - 1:15 PM	DESIGNING AN EFFECTIVE SIMULATION CURRICULUM
MP501	1	12:15 PM - 1:15 PM	PRIMARY IMMUNODEFICIENCY AND PULMONARY DISEASE
MP502	1	12:15 PM - 1:15 PM	IMPROVING QUALITY OF LIFE AND SURVIVAL IN NEUROMUSCULAR RESPIRATORY FAILURE
MP503	1	12:15 PM - 1:15 PM	REAL WORLD CHALLENGES IN THE DIAGNOSIS OF IPF
MP504	1	12:15 PM - 1:15 PM	PEAK INSPIRATORY FLOW RATE TO AID IN SELECTION OF APPROPRIATE INHALER DEVICE
MP505	1	12:15 PM - 1:15 PM	EXTRACORPOREAL MEMBRANE OXYGENATION: PHYSIOLOGICAL CURIOSITIES
MP506	1	12:15 PM - 1:15 PM	GENETICS IN MODERN DAY PULMONARY PRACTICE
MP507	1	12:15 PM - 1:15 PM	PULMONARY EMBOLISM: HOW DO I MANAGE THIS CASE?
MP508	1	12:15 PM - 1:15 PM	DIAGNOSTICS AND THERAPEUTIC INTERVENTIONS IN LATENT TB INFECTION IN SPECIAL SETTINGS
MP509	1	12:15 PM - 1:15 PM	PULMONARY REHABILITATION STANDARDS AND QUALITY
MP510	1	12:15 PM - 1:15 PM	BATTLE OF THE BIOLOGICS: UNDERSTANDING TARGETED THERAPY FOR SEVERE ASTHMA
MP511	1	12:15 PM - 1:15 PM	PEDIATRIC SLEEP DISORDERS FOR PULMONOLOGISTS
MP512	1	12:15 PM - 1:15 PM	LUNG CANCER SCREENING: WHAT IS SHARED DECISION MAKING AND WHEN DOES IT MATTER?
CC3	2	2:15 PM - 4:15 PM	PULMONARY CLINICAL CORE CURRICULUM II
B81	2	2:15 PM - 4:15 PM	NURSING YEAR IN REVIEW: PATIENT AND FAMILY ENGAGEMENT



Monday, May 20, 2019 (continued)

Session Code	CME Credits	Time	Session Title
B82	2	2:15 PM - 4:15 PM	PRO/CON: THE CONUNDRUM OF MANAGING ACUTE PULMONARY EMBOLISM
B83	2	2:15 PM - 4:15 PM	MANAGEMENT OF NEUROMUSCULAR RESPIRATORY FAILURE SYNDROMES: NIPPV FOR DAY, NIGHT AND THE SOCCER FIELD
B84	2	2:15 PM - 4:15 PM	CAN'T STOP OR WON'T STOP: THE ROLE OF CLINICAL INERTIA IN CRITICAL CARE MEDICINE
B85	2	2:15 PM - 4:15 PM	THEY'VE GOT THE BEAT: CILIA IN DEVELOPMENT AND DISEASE
B86	2	2:15 PM - 4:15 PM	PULMONARY REHABILITATION IN NON-COPD CHRONIC RESPIRATORY CONDITIONS
B87	2	2:15 PM - 4:15 PM	CROSSTALK BETWEEN AIRWAY EPITHELIUM AND TYPE 2 IMMUNITY IN ASTHMA
B88	2	2:15 PM - 4:15 PM	MIGRANT AND REFUGEE MEDICINE: IMPLICATIONS FOR PULMONARY AND CRITICAL CARE CLINICIANS
B89	2	2:15 PM - 4:15 PM	CHALLENGES IN CONDUCTING AND INTERPRETING ARDS AND SEPSIS RANDOMIZED CLINICAL TRIALS
B90	2	2:15 PM - 4:15 PM	BIG TOBACCO: LAWYERS, GUNS AND MONEY
B91	2	2:15 PM - 4:15 PM	HAVE A BIGGER IMPACT! EFFECTIVE STRATEGIES TO UTILIZE YOUR PROFESSIONAL EXPERTISE TO ADVOCATE FOR YOUR PATIENTS AND YOUR COMMUNITIES
B92	2	2:15 PM - 4:15 PM	ATS FAMILY OF JOURNALS IN 2019

Tuesday, May 21, 2019

Session Code	CME Credits	Time	Session Title
PCC3	1	6:45 AM - 7:45 AM	PEDIATRIC CLINICAL CORE CURRICULUM
SS201	1	6:45 AM - 7:45 AM	BIG DATA APPROACHES TO ACHIEVE PRECISION MEDICINE IN SEPSIS AND ARDS
SS202	1	6:45 AM - 7:45 AM	NUDGES, IRRATIONALITY, AND CHOICE ARCHITECTURE: DECISION SCIENCE IN CLINICAL CARE
SS203	1	6:45 AM - 7:45 AM	HIGH RISK PULMONARY SARCOIDOSIS: EVALUATION, MANAGEMENT AND FUTURE DIRECTIONS
SS204	1	6:45 AM - 7:45 AM	ILD AND THE ANTI-SYNTHEASE SYNDROME: FROM CLINICAL PEARLS TO PITFALLS



Tuesday, May 21, 2019 (continued)

Session Code	CME Credits	Time	Session Title
SS205	1	6:45 AM - 7:45 AM	PULMONARY MANIFESTATIONS OF INFLAMMATORY BOWEL DISEASE
SS206	1	6:45 AM - 7:45 AM	THE ROLE OF CHEST CT IN THE EVALUATION AND MANAGEMENT OF COPD
SS207	1	6:45 AM - 7:45 AM	TRACHEOSTOMY FROM ICU TO DECANNULATION
SS208	1	6:45 AM - 7:45 AM	EVALUATION AND MANAGEMENT OF LUNG TRANSPLANT AIRWAY COMPLICATIONS
SS209	1	6:45 AM - 7:45 AM	PROVIDING CARE IN HIGH-RISK PATHOGEN AND MASS CASUALTY INCIDENTS: ORGANIZATIONAL AND ETHICAL CONSIDERATIONS
SS210	1	6:45 AM - 7:45 AM	DIAGNOSING AND MANAGING OCCUPATIONAL ASTHMA: CLASSIC AND NOVEL THREATS
SS211	1	6:45 AM - 7:45 AM	DIAGNOSING PRIMARY CILIARY DYSKINESIA: APPLYING RESEARCH TO EVERYDAY CLINICAL PRACTICE AND BEYOND
SS212	1	6:45 AM - 7:45 AM	HIDING IN PLAIN SIGHT: ETIOLOGIES OF PULMONARY HYPERTENSION YOU MAY BE MISSING
SS213	1	6:45 AM - 7:45 AM	BRONCHOALVEOLAR LAVAGE IN THE IMMUNOCOMPROMISED HOST: MOVING BEYOND TRADITIONAL DIAGNOSTIC METHODS FOR FUNGAL INFECTION
SS214	1	6:45 AM - 7:45 AM	REACHING THE HARD TO REACH PATIENTS
SS215	1	6:45 AM - 7:45 AM	THE USE OF CARDIOPULMONARY EXERCISE TESTING IN PULMONARY VASCULAR DISEASE
SS216	1	6:45 AM - 7:45 AM	EVALUATION OF RESPIRATORY FUNCTION AND SLEEP IN NEUROMUSCULAR DISORDERS: WHY, WHEN, HOW
SS217	1	6:45 AM - 7:45 AM	THE ROLE OF THE PULMONOLOGIST IN THE DIAGNOSIS AND STAGING OF LUNG CANCER
K5	0.75	8:00 AM - 8:45 AM	DEVELOPING THE EVIDENCE FOR VALUE BASED CARE IN PULMONARY MEDICINE
K6	0.75	8:00 AM - 8:45 AM	ENHANCING DIVERSITY AND INCLUSION IN ACADEMIC MEDICINE
C1	2	9:15 AM - 11:15 AM	CLINICAL YEAR IN REVIEW 3
C2	2	9:15 AM - 11:15 AM	CLOSING THE EVIDENCE GAP IN LUNG DISEASE WITH REAL WORLD DATA
C3	2	9:15 AM - 11:15 AM	EVIDENCE IN ASTHMA COPD OVERLAP: CLINICAL AND MOLECULAR STUDIES TO ADVANCE TREATMENT
C4	2	9:15 AM - 11:15 AM	WHEN THE SUN SETS: NIGHTTIME IN THE ICU
C5	2	9:15 AM - 11:15 AM	DISCOVERING THE ROLE OF STEM CELL FATE IN LUNG INJURY AND FIBROSIS
C6	2	9:15 AM - 11:15 AM	THE FORGOTTEN CELL: RED BLOOD CELLS AS MODULATORS OF IMMUNITY



Tuesday, May 21, 2019 (continued)

Session Code	CME Credits	Time	Session Title
C7	2	9:15 AM - 11:15 AM	WHAT PULMONOLOGISTS NEED TO KNOW ABOUT CANCER IMMUNOTHERAPY
C8	2	9:15 AM - 11:15 AM	BRONCHIECTASIS: MOVING BEYOND THE VICIOUS CYCLE
C9	2	9:15 AM - 11:15 AM	DIFFICULT TO TREAT ASTHMA IN THE PEDIATRIC POPULATION
C10	2	9:15 AM - 11:15 AM	LIFESPAN WEIGHT MANAGEMENT OF SLEEP DISORDERS: REAL, FEASIBLE OR JUST THEORY?
C11	2	9:15 AM - 11:15 AM	FUTURE DIRECTIONS IN PAH RESEARCH: A PRO/CON DEBATE
C12	2	9:15 AM - 11:15 AM	MACROPHAGES: LINEAGE, DIVERSITY, AND LUNG DISEASE
C13	2	9:15 AM - 11:15 AM	CLIMATE CHANGE AND RESPIRATORY HEALTH: WIDENING U.S. DISPARITIES
WS5	1.5	11:45 AM - 1:15 PM	DESIGNING A COMPREHENSIVE CRITICAL CARE ULTRASOUND CURRICULUM
WS6	N/A	11:45 AM - 1:15 PM	CANCELLED - HEALTH POLICY ADVOCACY 101: EFFECTIVELY INFORM YOUR ELECTED OFFICIALS
ME3	1	12:15 PM - 1:15 PM	OPTIMIZING LEARNER-CENTERED EDUCATION IN THE AMBULATORY CLINIC
MP601	1	12:15 PM - 1:15 PM	INHALATION OF RECOMBINANT HUMAN GRANULOCYTE-COLONY STIMULATING FACTOR AND AUTOIMMUNE PULMONARY ALVEOLAR PROTEINOSIS
MP602	1	12:15 PM - 1:15 PM	CYSTIC LUNG DISEASE: UNCOMMON DISORDERS COMMONLY MISDIAGNOSED
MP603	1	12:15 PM - 1:15 PM	MASTERING THE MAZE OF PAP AND NIV COVERAGE CRITERIA
MP604	1	12:15 PM - 1:15 PM	COUGH, WHEEZE, AND DYSPNEA: WHAT IS IT IF NOT ASTHMA?
MP605	1	12:15 PM - 1:15 PM	ACUTE EXACERBATION OF IDIOPATHIC PULMONARY FIBROSIS
MP606	1	12:15 PM - 1:15 PM	NEUROLOGIC DISASTERS IN THE ICU
MP607	1	12:15 PM - 1:15 PM	AIR POLLUTION AND MUCO-CILIARY DEFENSE: ROLE OF CILIARY ACTIVITY
MP608	1	12:15 PM - 1:15 PM	NAVIGATING THE CHALLENGES OF HOME OXYGEN THERAPY FOR COMPLEX SLEEP RELATED RESPIRATORY DISORDERS AND RESPIRATORY FAILURE SYNDROMES
MP609	1	12:15 PM - 1:15 PM	PULMONARY COMPLICATIONS AND MANAGEMENT OF CHILDHOOD CANCER
MP610	1	12:15 PM - 1:15 PM	ICPET: FROM STARTING A PROGRAM TO INTERPRETING STUDIES
MP611	1	12:15 PM - 1:15 PM	THE MANAGEMENT OF PATIENTS WITH SEVERE COMMUNITY-ACQUIRED PNEUMONIA
MP612	1	12:15 PM - 1:15 PM	FORCED EXPIRATION FOR THE MATHEMATICALLY INCLINED



Tuesday, May 21, 2019 (continued)

Session Code	CME Credits	Time	Session Title
MP613	1	12:15 PM - 1:15 PM	CONGESTIVE HEART FAILURE AND SLEEP DISORDERED BREATHING
CC4	2	2:15 PM - 4:15 PM	SLEEP MEDICINE CLINICAL CORE CURRICULUM II
C82	2	2:15 PM - 4:15 PM	CHALLENGES IN THE LONG-TERM CLINICAL MANAGEMENT OF SARCOIDOSIS
C83	2	2:15 PM - 4:15 PM	PEDIATRIC CLINICAL CHEST ROUNDS
C84	2	2:15 PM - 4:15 PM	CLINICAL TRIALS IN THE CRITICALLY ILL: ECMO AS A CAUTIONARY TALE
C85	2	2:15 PM - 4:15 PM	SCIENTIFIC BREAKTHROUGHS
C86	2	2:15 PM - 4:15 PM	LUNGMAP-ING CELL LINEAGES IN HUMAN DEVELOPMENT AND DISEASE
C87	2	2:15 PM - 4:15 PM	PHYSIOLOGICALLY--GUIDED MECHANICAL VENTILATION
C88	2	2:15 PM - 4:15 PM	COMPLEMENT AS A NOVEL TARGET TO MITIGATE LUNG DISEASE
C89	2	2:15 PM - 4:15 PM	TRANSLATIONAL DEVELOPMENTS IN TB: TOWARDS IMPROVING PREVENTION AND MANAGEMENT STRATEGIES
C90	2	2:15 PM - 4:15 PM	BENCH TO BEDSIDE: HOW DIETARY N3-PUFAS MODULATE THE PULMONARY RESPONSE TO ENVIRONMENTAL EXPOSURES
C91	2	2:15 PM - 4:15 PM	IMPROVING CARE QUALITY WHILE REDUCING COST: IS HIGH VALUE CARE FOR COPD ACHIEVABLE?
C92	2	2:15 PM - 4:15 PM	ATS CLINICAL PRACTICE GUIDELINES: CLINICAL PRACTICE ON THE CUTTING EDGE

Wednesday, May 22, 2019

Session Code	CME Credits	Time	Session Title
PCC4	1	6:45 AM - 7:45 AM	PEDIATRIC CLINICAL CORE CURRICULUM
SS301	1	6:45 AM - 7:45 AM	MINDFULNESS FOR OPTIMIZING HEALTH CARE PROFESSIONAL WELL-BEING: REDUCING BURNOUT
SS302	1	6:45 AM - 7:45 AM	DIAGNOSIS AND MANAGEMENT OF THE ADULT PATIENT WITH BRONCHIECTASIS
SS303	1	6:45 AM - 7:45 AM	HOW REAL WORLD DATA IS TRANSFORMING CLINICAL RESEARCH
SS304	1	6:45 AM - 7:45 AM	PROJECT ECHO: EXTENDING BEST MEDICAL PRACTICES FOR IDIOPATHIC PULMONARY FIBROSIS TO UNDERSERVED COMMUNITIES
SS305	1	6:45 AM - 7:45 AM	THE ROLE OF SEX AND GENDER IN LUNG DISEASE
SS306	1	6:45 AM - 7:45 AM	HYPERSENSITIVITY PNEUMONITIS FOR THE CLINICIAN
SS307	1	6:45 AM - 7:45 AM	MANAGEMENT OF RESPIRATORY FAILURE IN ALS AND OTHER NEUROMUSCULAR DISEASE



Wednesday, May 22, 2019 (continued)

Session Code	CME Credits	Time	Session Title
SS308	1	6:45 AM - 7:45 AM	CHALLENGING CASES IN CRITICAL CARE ULTRASOUND
SS309	1	6:45 AM - 7:45 AM	NASAL HIGH FLOW IN THE ICU
SS310	N/A	6:45 AM - 7:45 AM	CARBON MONOXIDE POISONING: UNDERLYING MECHANISMS, CURRENT MANAGEMENT AND FUTURE DIRECTIONS
SS311	1	6:45 AM - 7:45 AM	ANTI-INFLAMMATORIES IN LUNG DISEASE: WHAT WORKS WHERE
SS312	1	6:45 AM - 7:45 AM	CARING FOR ADOLESCENTS AND ADULTS BORN PREMATURE: LATE CARDIOPULMONARY MANIFESTATIONS
SS313	1	6:45 AM - 7:45 AM	RECOMMENDATIONS FOR THE DESIGN AND ANALYSIS OF HUMAN LUNG MICROBIOME STUDIES
SS314	1	6:45 AM - 7:45 AM	ENGINEERING 3D MODELS OF HUMAN PULMONARY DISEASE
SS315	1	6:45 AM - 7:45 AM	APPROACH TO DEVELOPMENTAL LUNG ANOMALIES IN ADULTS
SS316	1	6:45 AM - 7:45 AM	CIRCADIAN MISALIGNMENT IN THE ICU
SS317	1	6:45 AM - 7:45 AM	LUNG CANCER HETEROGENEITY AND ITS CLINICAL APPLICATIONS
K7	0.75	8:00 AM - 8:45 AM	WHAT SHOULD PULMONOLOGISTS KNOW ABOUT ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING?
D1	2	9:15 AM - 11:15 AM	CLINICAL YEAR IN REVIEW 4
D2	2	9:15 AM - 11:15 AM	STATE OF THE ART PLEURAL DISEASE MANAGEMENT: CLINICAL TRIALS CHANGING CARE PRACTICE
D3	2	9:15 AM - 11:15 AM	RURALITY IN COPD: DEFINING THE PROBLEM AND DEPLOYING NOVEL CARE DELIVERY APPROACHES
D4	2	9:15 AM - 11:15 AM	BIG DATA AND CLINICAL TRIALS: FRIENDS, FOES, OR FRENEMIES?
D5	2	9:15 AM - 11:15 AM	SLEEPING WITH THE ENEMY: EXPLORING THE IMPACT OF SLEEP DISORDERED BREATHING ON CANCER
D6	2	9:15 AM - 11:15 AM	SITES FOR PULMONARY REHABILITATION: WHERE CAN AND SHOULD IT BE PERFORMED?
D7	2	9:15 AM - 11:15 AM	EXOSOMES: WEAPONS OF MASS DESTRUCTION
D8	2	9:15 AM - 11:15 AM	ENVIRONMENTAL EXPOSURES, THE HUMAN MICROBIOME, AND LUNG DISEASE
D9	2	9:15 AM - 11:15 AM	HOST DIRECTED THERAPY FOR TUBERCULOSIS: THEORY AND CURRENT EVIDENCE
D10	2	9:15 AM - 11:15 AM	BUILDING BLOCKS OF IMPLEMENTATION: HOW TO IMPLEMENT ICU EVIDENCE-BASED CARE
CC5	1.5	11:45 AM - 1:15 PM	CRITICAL CARE CLINICAL CORE CURRICULUM I
WS7	1.5	11:45 AM - 1:15 PM	CRISPR: BREAKING BAD FOR THE GOOD OF ADVANCING SCIENCE



Wednesday, May 22, 2019 (continued)

Session Code	CME Credits	Time	Session Title
WS8	1.5	11:45 AM - 1:15 PM	PREDICTIVE MODELING IN CRITICAL CARE: PRINCIPLES AND PRACTICE
CC6	2	1:30 PM - 3:30 PM	CRITICAL CARE CLINICAL CORE CURRICULUM II
D82	2	1:30 PM - 3:30 PM	AUTOIMMUNE ASSOCIATED ILD: A CASE BASED APPROACH TO DIAGNOSIS AND TREATMENT
D83	2	1:30 PM - 3:30 PM	NEW ADVANCES IN THE BRONCHOSCOPIC DIAGNOSIS AND TREATMENT OF LUNG CANCER
D84	2	1:30 PM - 3:30 PM	REDEFINING ICU SURVIVORSHIP: PREVENTION, RECOVERY AND REINTEGRATION
D85	2	1:30 PM - 3:30 PM	UNFOLDING CIRCADIAN CLOCKS AND ER STRESS IN LUNG DISEASES
D86	2	1:30 PM - 3:30 PM	METABOLISM AS A LINK BETWEEN LUNG CANCER AND ITS MICROENVIRONMENT
D87	2	1:30 PM - 3:30 PM	BEYOND THE RIGHT HEART CATHETERIZATION: QUANTITATIVE METHODS FOR INTERROGATING THE PULMONARY CIRCULATION
D88	2	1:30 PM - 3:30 PM	NEW-TROPHILS: AN OLD CELL WITH NEW TRICKS IN LUNG DISEASE
D89	2	1:30 PM - 3:30 PM	CONTROVERSIES IN PEDIATRIC PULMONOLOGY
D90	2	1:30 PM - 3:30 PM	IMPROVING (LUNG) HEALTH IN PEOPLE LIVING WITH HIV
D91	2	1:30 PM - 3:30 PM	USING THE BASIC BIOLOGY OF IPF TO DESIGN NEW THERAPIES

