TRENDS IN DIAGNOSIS & TREATMENTS

Organisers:
Prof. Peter J. Barnes &
Dr. Richard Russell
COPD is a major global health problem, now affecting over 10% of people over 45 years and being the third most common cause of mortality in high-income countries. COPD exacerbations are also one of the common causes for hospital admissions. While the main cause of COPD is smoking in Western countries, in developing countries COPD is commonly seen in non-smokers and is caused by the exposure to biomass fuel in homes.

We now have a better understanding of the underlying mechanisms of COPD, which involves chronic inflammation of the peripheral airways and lung parenchyma, acceleration of the normal ageing process and chronic bacterial colonisation of the airways. A better understanding of the disease has identified new therapeutic targets.

Long-acting bronchodilators have proved to be the most useful treatments for COPD at present, and a combination of a Longacting Muscarinic Antagonist (LAMA) with a Long Acting β2-Agonist (LABA) provides optimal bronchodilatation. We still need treatments that target the underlying inflammatory disease, but corticosteroids are only useful in a few patients because of corticosteroid resistance, and the phosphodiesterase 4 inhibitor roflumilast is limited by its side effects. There appear to be distinct phenotypes of COPD patients that may benefit from these different anti-inflammatory treatments.

Most patients with COPD have comorbidities, and these may be due to shared pathogenetic mechanisms with COPD, such as accelerate ageing and chronic inflammation. The presence of comorbidities may also affect management.

The National Heart and Lung Institute (NHLI) at Imperial College and its associated Royal Brompton Hospital is the largest centre for COPD research in Europe, with some of the most highly cited investigators in the world. We take a multidisciplinary approach to our research and link basic research with clinical measurements and studies.

Prof. Peter J. Barnes
Dr. Richard Russell
Thursday 22\textsuperscript{nd} October 2020

08.00 Registration and coffee
08.30 Welcome and introduction..............................Prof. P.J. Barnes / Dr. R. Russell
08.45 Pathophysiology of COPD..............................Prof. P.J. Barnes
09:30 Bacterial colonization.....................................Prof. L. Donnelly

10:15 Coffee & Tea
10:45 Current management of COPD & guidelines..........Dr. R. Russell
11:30 Exacerbations of COPD..................................Prof. W. Wedzicha

12:15 Lunch
13:00 Bronchodilators in COPD: What, when and for who? Dr. R. Russell
13:45 Inhaled corticosteroids in COPD.......................Prof. P.J. Barnes

14:30 Coffee & Tea
15:00 The importance of inhaler devices in COPD..........Dr. Russell

15:45 Recap and closure of day 1...............................Prof. P.J. Barnes / Dr. R. Russell

Friday 23\textsuperscript{rd} October 2020

08.30 Coffee & Tea
09:00 Compliance and adherence in COPD....................Prof. M. Partridge
09:45 Biomarkers ready for the clinic in COPD..............Prof. M. Bafadhel

10:30 Coffee & Tea
11:00 Co-morbidities of COPD................................Dr. J. Quint
11:45 Non-pharmacological treatment of COPD..............Dr. N. Hopkinson

12:30 Lunch
13:15 Pulmonary rehabilitation................................Dr. W. Man
14:00 Living well with COPD – the palliative approach....Dr. R. Taylor
14:45 Future developments in COPD.........................Prof. P.J. Barnes & Dr. R. Russell

15:30 Coffee & Tea - End program day 2
Venue: The Royal College of Physicians
11 St. Andrews Place, Regent’s Park (London NW1 4LE)

Hotel:
Several hotels in the area can provide accommodation. Hotel requirements are to be arranged by the delegate.

Lunch:
Lunches will be provided during the course at the Royal College of Physicians.

Registration fee:
Early bird: 650 EURO
After 1st June 2020: 775 EURO

COPD Course Dinner on 22nd October 2020
Dinner Registration: 72,00 GBP (equal to 84,00 EURO)

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Cancellation terms after Registration:
Cancellation made 3 months prior to the event: 50% of the registration fee will be refunded.
Cancellation made 1 month prior to the event: 25% of the registration fee will be refunded.
Cancellation made 30 days or less prior to the event: No refund will be made.
A cancellation handling fee of 35€ will apply.