hearts from mice that were exposed to diesel exhaust while developing in utero, the authors identified 3 target genes which demonstrated dysregulation after exposure and aortic constriction. This work is very important from a mechanism of injury perspective as it identified specific DNA methylation (a process by which chemical changes induced by outside influences can inactivate segments of DNA code) and gene expression effects. The research adds to the body of evidence that air pollution has significant short and long term effects, and that even in the developing fetus, the effect can persist for many decades that follow.

Impact of Low-dose CT Screening on Smoking Cessation Among High-Risk Participants in the UK Lung Cancer Screening Trial

Thorax. 2017;0-:1-7. Online first, 7/14/17.

The World Health Organization estimates that there are over a billion smokers in the world, meaning one in three adults on planet earth. China is the biggest producer and consumer of cigarettes, with more than 350 million residents being smokers, with 36.5 million smokers here in the US. With knowledge that tobacco smoking can have dire consequences, these investigators explored the effect on smoking cessation of taking part in a randomized pilot trial of low dose CT lung screening. The researchers found that CT lung cancer screening for high-risk participants offers a teachable moment for smoking cessation, especially for those who receive a positive scan result. This study adds to the evidence suggesting that integrating CT screening with evidence-based smoking cessation intervention could prompt quitting in motivated, high-risk smokers.

Author's Correction

In the April 2017 issue the authors correct the sentence on page 145, right column, line 14 by changing the beginning of the sentence to read “Orthostatic hypotension is defined as…” so the sentence reads: “Orthostatic hypotension is defined as a decrease in systolic blood pressure of 20 mm Hg or diastolic blood pressure of 10 mm Hg within 3 minutes of standing from a seated or supine position.” See Conley A, Biddle C, Baker K. AANA Journal Course: A Tour of Autonomic Reflex Activity Relevant to Clinical Practice. AANA J. 2017;85(2):141-147. The online version of the article has been corrected.