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Lung transplant in 2016, what is new?

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Since the first human lung transplant in 1963, more than 40,000 lung transplant procedures have been performed worldwide. Although lung transplant is usually the last resort for patients and physicians when medical care has been exhausted, lung transplantation is now an accepted therapy for the management of a wide range of severe lung disorders, with evidence supporting quality of life and survival benefit for lung transplant recipients. Indications include diverse spectrum of pulmonary diseases affecting the airway, parenchyma and vasculature. In 2014, the International Society for Heart and Lung Transplantation (ISHLT) released an updated consensus document for the selection of lung transplant candidates, following 2 previous editions published in 1998 and 2006. This consensus includes indications for referral and listing according to disease and highlights absolute and relative contraindications. Despite all the advances in medical management post lung transplant, acute rejection and infection remain the major complications affecting survival in the first year post lung transplant. On the other hand, chronic lung allograft dysfunction in form of bronchiolitis obliterans syndrome (BOS) or restrictive allograft dysfunction (RAD) remains major cause of morbidity and mortality resulting in graft dysfunction, making 5 years survival of post-transplant patients around 50% in average.

Biography

Fadi Hamed is a Staff Physician in the Respiratory and Critical Care Institute at Cleveland Clinic, Abu Dhabi. Prior to joining Cleveland Clinic Abu Dhabi, he has worked as an Associate Staff in the Department of Pulmonary and Critical Care Medicine at Cleveland Clinic. He has earned his Medical degree from the University of Jordan in Amman. He completed his residency in Internal Medicine from Albert Einstein Medical Center in Philadelphia, US, where he has also served as a Chief Medical Resident for a year on completion of his Residency training. He completed his Fellowship in Pulmonary and Critical Care Medicine at Cleveland Clinic in Cleveland, Ohio, US.

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