



Ready. **Set. Inhale.**



PRESENTED BY:

Quang Nguyen, DO

DATE & TIME:

Thursday, April 20, 2023, 6:00 PM PT

VENUE:

Fleming's Prime Steakhouse

6515 South Las Vegas Boulevard, Las Vegas NV

TO RSVP VISIT:

<https://mannkindrsvp.com/index/meeting/1312>

or scan the QR code at right

Please RSVP by Thursday, April 13, 2023

For questions regarding this event, contact Parks at (702) 277-5641.

hparks@mannkindcorp.com or support@mannkindspeakers.com



**OR SCAN HERE
TO REGISTER**

This program is hosted by MannKind. No continuing medical education or continuing education will be provided. Only physicians and healthcare professionals involved in providing patient care may attend. In accordance with applicable industry standards, guests or spouses are not permitted.

Please note: Your name and the value of any meal/refreshment will be reported as required by federal and state laws. You must notify the MannKind representative in advance if you maintain a license to practice medicine in Minnesota or Vermont.

Please see Important Safety Information for Afrezza, including **BOXED WARNING** on the adjacent page and at www.afrezza.com.

IMPORTANT SAFETY INFORMATION

Indications and Usage:

Afrezza® (insulin human) Inhalation Powder is a rapid-acting inhaled insulin indicated to improve glycemic control in adult patients with diabetes mellitus.

Limitations of Use: Patients with type 1 diabetes must use with a long-acting insulin, not recommended for the treatment of diabetic ketoacidosis, not recommended in patients who smoke.

Important Safety Information

WARNING: RISK OF ACUTE BRONCHOSPASM IN PATIENTS WITH CHRONIC LUNG DISEASE

- **Acute bronchospasm has been observed in patients with asthma and COPD using AFREZZA.**
- **AFREZZA is contraindicated in patients with chronic lung disease such as asthma or COPD.**
- **Before initiating AFREZZA, perform a detailed medical history, physical examination, and spirometry (FEV1) to identify potential lung disease in all patients.**

Contraindications

AFREZZA is contraindicated: during episodes of hypoglycemia, in patients with chronic lung disease (such as asthma or chronic obstructive pulmonary disease [COPD]) because of the risk of acute bronchospasm, and in patients with hypersensitivity to regular human insulin or any of the AFREZZA excipients.

Warnings and Precautions

Acute Bronchospasm: Acute bronchospasm has been observed following AFREZZA dosing in patients with asthma and COPD. Prior to initiating therapy, evaluate patients with a medical history, physical examination, and spirometry (FEV1) to identify potential underlying lung disease. Do not use in patients with COPD.

Change in Insulin Regimen: Monitor blood glucose in all patients treated with insulin. Modify insulin regimen and dose cautiously and only under medical supervision. Changes in insulin strength, manufacturer, type, or method of administration may result in the need for a change in insulin dose or an adjustment in concomitant oral antidiabetic treatment.

Hypoglycemia: Hypoglycemia is the most common adverse reaction of insulin therapy, including AFREZZA, and may be serious and life-threatening. Educate patients and caregivers on recognizing symptoms and mitigating the risks associated with hypoglycemia.

Decline in Pulmonary Function: AFREZZA has been shown to cause a decrease in lung function as measured by FEV1. In clinical trials lasting up to 2 years, AFREZZA-treated patients experienced a small (40 mL) but greater FEV1 decline than comparator-treated patients. Assess pulmonary function with spirometry at baseline, after the initial 6 months of therapy and annually thereafter even in the absence of pulmonary symptoms. In patients who have a decline of $\geq 20\%$ in FEV1 from baseline, consider discontinuing AFREZZA. Consider more frequent lung function assessment in patients with pulmonary symptoms, e.g., wheezing, bronchospasm, breathing difficulties, or persistent or recurring cough. If symptoms persist, discontinue AFREZZA.

Lung Cancer: In clinical trials, 2 cases of lung cancer were reported in patients exposed to AFREZZA while no cases were reported for the comparators. Two additional cases of lung cancer (squamous cell and lung blastoma) were reported in non-smokers exposed to AFREZZA after the trial completion. These data are insufficient to determine whether AFREZZA has an effect on lung or respiratory tract tumors. In patients with active lung cancer, a prior history of lung cancer, or in patients at risk of lung cancer, consider whether the benefits of AFREZZA outweigh the risks.

Diabetic Ketoacidosis (DKA): In clinical trials enrolling subjects with type 1 diabetes, diabetic ketoacidosis (DKA) was more common in subjects receiving AFREZZA (0.43%; n=13) than in subjects receiving comparators (0.14%; n=3). Increase the frequency of glucose monitoring and consider an alternate route of administration of insulin in patients at risk for DKA.

Hypersensitivity Reactions: Severe, life-threatening, generalized allergy, including anaphylaxis, can occur. Discontinue AFREZZA, monitor, and treat if indicated.

Hypokalemia: All insulin products, including AFREZZA, cause a shift in potassium from the extracellular to intracellular space, possibly leading to hypokalemia. Untreated hypokalemia may cause respiratory paralysis, ventricular arrhythmia, and death. Closely monitor potassium levels in patients at risk of hypokalemia and treat if indicated.

Fluid Retention and Heart Failure with Concomitant Use of Thiazolidinediones (TZDs): Fluid retention, which may lead to or exacerbate heart failure, can occur with concomitant use of TZDs and insulin. Observe these patients for signs and symptoms of heart failure. If heart failure occurs, consider dose reduction or discontinuation of TZD.

Drug Interactions

Certain drugs may affect glucose metabolism, increasing the risk of hypoglycemia or decreasing the blood glucose-lowering effect of AFREZZA. Dose adjustment and increased frequency of blood glucose monitoring may be required. Co-administration of beta-blockers, clonidine, guanethidine, and reserpine with AFREZZA may reduce the signs and symptoms of hypoglycemia. For full list, see Prescribing Information.

Adverse Reactions

The most common adverse reactions associated with AFREZZA include hypoglycemia, cough, and throat pain or irritation.

Please see full Prescribing Information, including **BOXED WARNING** for AFREZZA at www.afrezza.com.

