

## *Salsola Pollen As A Predominant Cause Of Respiratory*







### **Salsola Pollen As A Predominant**

Salsola pollen as a predominant cause of respiratory allergies in Kuwait Abdulrahman Al-Dowaisan, MBChB, MPH; Nasser Fakim, MD; M. Riaz Khan, MBBS; Nermina Arifhodzic, MD, PhD; Radakrishnan Panicker, MRCP; Abdulatif Hanoon, MD; and Irfan Khan, MD Background: Respiratory allergies are common in Kuwait, and the role of certain allergens has been ...

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### **Salsola pollen as a predominant cause of respiratory ...**

Nowadays, in Spain, Salsola pollen is the third most relevant cause of pollinosis after olive and grasses [6], either in regions where allergy to this pollen is one of the major sensitization ...

### **Salsola pollen as a predominant cause of respiratory ...**

KEY WORDS. ABSTRACT Background The inhalation of Salsola kali pollen is an important cause of pollinosis during summer and early fall throughout desert and semi-desert areas. Sal k 1 has been previously reported as a major allergen of pollen is an important cause of pollinosis during summer and early fall throughout desert and semi-desert areas.

### **Expression of the Recombinant Major Allergen of Salsola ...**

IgE-mediated reactions. Saltwort pollen allergy was the third most common cause of pollen allergy in the area (28.8%) as inferred from Sal k 1, the main allergen of Salsola kali pollen, which was found to be the third most common allergen. Sensitization occurred mainly in central and eastern regions.

### **Saltwort (prickly)/Russian thistle - Phadia - Setting the ...**

4. Al-Dowaisan A, Fakim N, Khan MR, Arifhodzic N, Panicker R, Hanoon A, et al. Salsola pollen as a predominant cause of respiratory allergies in Kuwait. Ann Allergy Asthma Immunol 2004; 92(2):262-7. 5. Shafiee A, Yunginger JW, Gleich GJ. Isolation and characterization of Russian thistle (Salsola pestifer) pollen allergens.

### **Production of Recombinant Protein of Salsola Kali (Sal k1 ...**

Conclusions. The purpose of this study was to evaluate the prevalence of positive skin prick tests (SPTs) to pollen allergen extracts prepared with indigenous raw materials, as well as common indoor aeroallergens in patients having symptoms of inhalant allergies particularly allergic asthma and allergic rhinitis.

### **Sensitization to Indigenous Pollen and Molds and Other ...**

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Allergy 2000; 55:157-62. k 1 was built using the parameters obtained from the X-ray 4 Al-Dowaisan A, Fakim N, Khan MR et al. Salsola pollen as a crystal structure of the phytopathogenic bacterial enzyme predominant cause of respiratory allergies in Kuwait.

### **A pectin methylesterase as an allergenic marker for the ...**

Al-Dowaisan A, Fakim N, Khan MR, et al. Salsola Pollen as a predominant cause of respiratory allergies in Kuwait. Ann Allergy Asthma Immunol. 2004; 92(2):262-7. Hasnain SM, Fatima K, Al-Frayh AR, Al-Sedairy ST. One-Year Pollen and Spores Calendars of Saudi Arabia: Al-Khobar, Abha and Hofuf. Aerobiologia. 2005; 21:241-7.

### **Middle East | World Allergy Organization**

View photos of the medicinal plant *Ambrosia salsola* [*Hymenoclea salsola*] (Burrobrush). *Ambrosia* pollen is a major allergen. Utilize this and other *Ambrosia* species when not in flower.

#### **Ambrosia salsola | Burrobrush | Medicinal Uses | Charles W ...**

Abdulrahman Al-Dowaisan, Nasser Fakim, M. Riaz Khan, Nermina Arifhodzic, Radakrishnan Panicker, Abdulatif Hanoon and Irfan Khan, *Salsola* pollen as a predominant cause of respiratory allergies in Kuwait, *Annals of Allergy, Asthma & Immunology*, 92, 2, (262), (2004).

#### **Asthma in the desert: spectrum of the sensitizing ...**

Russian Thistle (*Salsola kali*) Russian Thistle is a common weed throughout the Southwest. It is not native to Arizona and is found in areas where the natural desert has been disturbed such as vacant fields, roadsides, and agricultural areas. It is commonly known as Tumbleweed. Like many allergenic weeds, it distributes its pollen in...

#### **Russian Thistle (Salsola kali) - Ahwatukee Allergist**

Origin, taxonomy and distribution. The group was widely assigned to the family Chenopodiaceae, but the Chenopodiaceae – including the genera *Kali* and *Salsola* – have since been included in the Amaranthaceae. They now are allocated to the Salsoloideae, a subfamily of the Amaranthaceae.

#### **Kali tragus - Wikipedia**

w232 nSal k 1 nSal k 1 from Saltwort (*Salsola kali*) Clinical Utility As a major allergen for patients sensitized to pollen of *Salsola kali* but not *Chenopodium album* (3), Sal k 1 can be considered an allergenic marker to discriminate among

#### **w232 nSal k 1 - Phadia**

Recombinant allergen Sal k 1 for *Salsola kali* (Russian thistle) CATALOG NUMBER: RAL0018 LOT NUMBER: # RECOMBINANT ALLERGEN: Sal k 1 is the major allergen of *Salsola kali* pollen (Mohammad et al., 2010). DESCRIPTION: the *Salsola kali* pectin methylesterase Sal k 1 has been prepared as the recombinant mature protein fused to a his-tag.

#### **Recombinant allergen Sal k 1 for Salsola kali (Russian ...**

are sensitized to *Salsola* pollens [1], which are a predominant source of sensitization in the Gulf region [2,3] and Iran [4], as *Salsola* is prone to grow in salty soils in areas with low rainfall [5,6]. *Salsola* is also found in other dry countries such as the USA, Australia, and Spain [7-9]. Kuwait, a country of about

#### **ORIGINAL ARTICLE Extensive Cross-reactivity Between ...**

Request PDF on ResearchGate | The Russian Thistle (*Salsola kali*) Pollen Major Allergen, Sal k 1, Can Be Quantified in Allergenic Extracts and Airborne Pollen | Russian thistle (*Salsola kali* ...

#### **The Russian Thistle (Salsola kali) Pollen Major Allergen ...**

*Salsola* pollen, together with olive and grasses, is one of the main causes of pollinosis [26], both in regions where it is a major cause of sensitization (eg, Zaragoza and Murcia) and in regions where *S kali* grows wild in olive tree cultivars [50]. *Salsola* pollen has also been extensively associated with a

#### **Amaranthaceae Pollens: Review of an Emerging Allergy in ...**

Comparative studies on the pollen grain morphology of 27 Asiatic species of the genus *Salsola* were conducted by using scanning electron microscope (SEM analysis) in order to assess the taxonomic value of pollen traits. The pollen are radially symmetrical isopolar, pantopolyporate, spherical or subspheroid.

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