FUSION® Allergy

Pregnancy is a special time; however, it is estimated that **65% of pregnant women** experience nasal symptoms during their pregnancy. Uncontrolled Hay Fever and Allergic Rhinitis, can affect pregnancy by impacting sleep, stress, asthma control and quality of life.^{1,2} **Effective management of symptoms is vital** to reduce the need for medications.

MANAGEMENT OF SEASONAL ALLERGIES IN PREGNANCY



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RHINITIS

Rhinitis is characterised by a runny nose, nasal congestion and a post-nasal drip. Feelings of **fatigue** can also be significant and can have a considerable impact on quality of life.³

PREGNANCY RHINITIS

Pregnancy rhinitis affects **20-30%** of pregnancies and can make you feel like you've got allergic symptoms: sneezing, nasal congestion and a runny nose.⁴ This happens due to **hormonal changes**, not allergens. Blood flow increases around the body to keep up with your baby's demands. When the blood flow increases in your nose, the blood vessels become inflamed and swollen. These symptoms generally disappear within the first two weeks after delivery.^{2,4}

ALLERGIC RHINITIS

Seasonal allergies usually occur during Spring and Summer. In pregnancy, your seasonal allergies may improve, however one study found that **34%** of pregnant women experienced **new or worsening symptoms**.⁵ Typical symptoms of seasonal allergies include:

- Itchy or watery eyes
- Itchy nose, mouth and throat
- Sneezing and coughing
- A blocked or runny nose

You might also get a headache, feel tired or have shortness of breath. If you have asthma, seasonal allergies may trigger an asthma attack. Asthma is challenging for up to **8% of pregnant women and can affect the outcome of pregnancy**.⁶ Uncontrolled rhinitis may in fact exacerbate co-existing asthma during pregnancy, so management is really important.²

FUSION® Allergy

TREATING ALLERGY SYMPTOMS – PREVENTION IS BETTER THAN CURE

Minimising exposure to allergens will result in reduced levels of histamine in the body and in turn reduced allergy symptoms.

If you're not sure what's causing your symptoms, **try to keep a diary** of when you notice symptoms worsening. What time of day? Which month? Indoors or outdoors, day or night, at home or somewhere else? The most common allergens include pollen, mould spores, house dust mites and animal dander.



POLLEN

Plants produce pollen as part of their reproductive cycle at different times throughout the year. Pollen is not dangerous, but your immune system might be sensitive to it, which can lead to allergy symptoms. Symptoms are triggered by airborne pollen, such as tree, grass or weed pollen. Get your daily pollen count at www.met.ie/forecasts/pollen. Here are some useful tips to help minimise exposure to pollen:

- ✓ Close your windows
- ✓ Stay indoors during peak pollen times
- ✓ Shower after being outside, wipe down pets after being outside
- ✓ Wear wrap-around glasses
- ✓ Dry clothes inside
- ✓ Use a protective Ectoin-based nasal barrier

MOULD SPORES

Moulds are a type of fungi which produce spores that can trigger an allergic reaction, particularly if you have Asthma or COPD. Moulds often grow in damp environments, such as in your bathroom or kitchen.

- ✓ Keep windows open during the day.
- ✓ Fix sources of damp and condensation i.e. drains
- ✓ Use anti-mould on sinks and baths monthly
- ✓ Remove clothes from dryer immediately
- ✓ Use an air purifier and dehumidifier
- ✓ Use a protective Ectoin-based nasal barrier

HOUSE DUST MITES

House dust mites are tiny creatures that live in our homes, so it is difficult to completely avoid exposure to them. However you can take steps to reduce your exposure.

✓ Vacuum with a HEPA Filter

- ✓ Damp dust regularly
- ✓ Change bedding weekly, and hot wash
- ✓ Use dust covers for pillow and mattress
- Remove carpets, cushions and soft toys from bedroom
- ✓ Consider an air purifier in bedroom
- Use a protective Ectoin-based nasal barrier, especially at bedtime

ANIMAL DANDER

If you have an allergy to pets, it is usually caused by saliva on the animal's fur. They can also carry other allergens such as dust and pollen.

- ✓ Wipe pets down if they've been outside
- ✓ If you develop a new allergy to your pet, try to restrict the rooms they are allowed into, and do not allow them in your bedroom



NON-MEDICATED TREATMENTS

It is important to use nonpharmacological options in pregnancy where possible, particularly in the first trimester. Natural treatments can often be as effective as medication

SALINE NASAL IRRIGATION

Saline nasal irrigation, i.e. Neil-med, is an effective way to directly **cleanse** the nasal cavity and it physically removes any allergens.⁷

ECTOIN®

Products with Ectoin®, such as Fusion® Allergy, can also help and treat allergy symptoms. Ectoin®, produces a natural **protective barrier** in the nose, eyes and mouth. This helps to stop the allergy cascade, including the release of histamine, as allergens cannot penetrate into the body. They also give relief by reducing inflammation and moisturising the mucosa.^{8,9}

Other natural remedies include:

ALLERGY COLD THERAPY MASKS

10 minutes can bring down inflammation around the eyes or the nasal cavity.



NASAL STRIPS

Sleeping slightly upright and using nasal strips when you sleep may also reduce a stuffy nose.²

MEDICATIONS SAFE TO USE IN PREGNANCY

INTRANASAL CORTICOSTEROID SPRAYS

Intranasal corticosteroid sprays are first-line treatment for rhinitis and are highly effective.³ The newer generation sprays including Fluticasone Propionate and Mometasone Furoate are safe in pregnancy.^{2,3}

ORAL ANTIHISTAMINES

Oral antihistamines are the second-line treatment option, but are less effective.³ Chlorphenamine, Piriton is suitable for use in pregnancy. However, it has a sedating effect, therefore Loratadine and Cetirizine are typically preferred.¹⁰

WHAT TO AVOID

Avoid using nasal decongestants that contain Pseudoephedrine or Phenylephrine, such as Sudafed®, as these can affect your milk supply. Intranasal antihistamines and oral corticosteroids should also be avoided in pregnancy. They are only used in cases of severe uncontrolled rhinitis.² If your symptoms are severe, your doctor may review your symptoms and suggest the safest options available.

IMMUNOTHERAPY

Maintenance of immunotherapy during pregnancy is safe. However, the initiation of allergen-specific immunotherapies should be avoided.¹¹

RHINO-LIGHT THERAPY

Phototherapy is well established for skin conditions and is now being used to manage rhinitis. Rhinolight is safe during pregnancy and is often the preferred treatment in pregnancy as it reduces the need for medication. Rhino-light uses 3 types of light to reduce histamine release from mast cells and destroys the white blood cells involved in the allergic response.

FUSION® Allergy

WHAT CAN YOU DO IN PREGNANCY TO REDUCE ALLERGY RISK FOR YOUR BABY?



HEALTHY DIET & LIFESTYLE

To ensure you and your baby stay healthy, it is important that you take care of yourself and maintain a healthy diet and lifestyle, including taking pregnancy supplements and vitamins. Recent research has shown that a pregnancy diet rich in Vegetables, Yogurt, and Vitamin D can reduce allergy development in babies. 12



EXPOSURE TO FARMS

Numerous trials have shown that maternal exposure to farm animals and hay during pregnancy results in increased numbers of cord blood Regulatory T cells (Treg), which reduces allergy risk in children, so head out to the countryside when you can. 13



VAGINAL DELIVERY & BREASTFEEDING

Vaginal delivery and breastfeeding have a beneficial effect on baby's gut bacteria and **protect against** allergy development, particularly Bifidobacterium Breve, a strain commonly found in breastfed infants and human milk.14 Exposure to antibiotics in the third trimester or early life can have a significant impact on the allergy/asthma status of children.

A recent meta-analysis found that maternal antibiotic use might increase the risk of asthma/wheeze and eczema/atopic dermatitis, but not food allergy, in children. 15 Nevertheless, the appropriate use of antibiotics during pregnancy is important, and healthcare professionals should be selective when prescribing antibiotics in pregnancy.



There are lots of effective treatments for the management of allergies in pregnancy. Speak to your GP or local Pharmacist about what may suit you best.

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