Urticarial reactions

* Are characterized by <u>erythema, hives and</u> itching without fever.

- * This is a relatively common reaction and occurs in about 1% of all transfusions.
- It is thought to be due to sensitization against plasma proteins.

*The use of packed red blood cells rather than whole blood has decreased the likelihood of this problem.

Treatment is with antihistamines&cortisol for symptomatic relief.&stop tranfusin in sever cases.

How to Treat and Manage URTICARIA (HIVES)

baking

soda

Baking Soda

Wrap some ice cubes in a thin cloth and place it on the affected area for 5 to 10 minutes. Repeat a few times a day.

Add 1 to 2 cups of raw, unfiltered apple cider vinegar to a bathtub filled with warm water. Soak in it for 15 to 20 minutes once a day.



Apple Cider

Vinegar

Cold

To explore more, visit www.Top10HomeRemedies.com

Aloe Vera

••••• ADDITIONAL TIPS •••••

Oatmeal

- You can take over-the-counter or prescribed antihistamines to treat this problem.
- Identify your triggers and try to avoid them.
- Avoid harsh soaps and other chemicals that can worsen your skin condition.
- Constant pressure may worsen your condition, so wear loose-fitting clothes.

Pyrogenic reactions

B

Urticarial reactions

Anaphylactic reactions

pulmonary edema

Graft versus Host disease

Immune suppression

Anaphylactic reactions

Sever form of urticarial reaction .

- •. These are severe reactions that can occur with very small amounts of blood (a few milliliters).
- Abs in recepient react with protein in donor plasma

• Treatment is with stop transfusion, epinephrine, fluids, corticosteroids and supportive measures.

Pyrogenic reactions

B

Urticarial reactions

Anaphylactic reactions

pulmonary edema

Graft versus Host disease

Immune suppression

pulmonary edema

- Transfusion related acute lung injry
- TRALI
- Due to incompitability between donor Ab and recepient granulocyte
- Present with a picture that looks like adult respiratory distress.



Pyrogenic reactions

B

Urticarial reactions

Anaphylactic reactions

pulmonary edema

Graft versus Host disease

Immune suppression

Graft versus Host disease

• It is seen exclusively in immunocompromised patients where cellular blood products containing lymphocytes are given.

These lymphocytes can mount an immune response against the compromised recipient.
Irradiation of transfusions can be utilized to inactivate the lymphocytes prior to transfusion.

Pyrogenic reactions

B

Urticarial reactions

Anaphylactic reactions

pulmonary edema

Graft versus Host disease

Immune suppression



It is a debatable complication. The transfusion of leukocytecontaining blood products appears to be immunosuppressive causing a decrease in Natural Killer cell function, decreased phagocytosis and decreased helper to suppressor cell ratios.

Pyrogenic reactions

B

Urticarial reactions

Anaphylactic reactions

pulmonary edema

Graft versus Host disease

Immune suppression



 \checkmark It is common with the development of platelet antibodies.

 The external purpura signal a reaction that may lead to profound thrombocytopenia which
 usually occurs about one week post transfusion.
 Plasmapheresis is the recommended

treatment.



3- Complication of blood transfusion

Non immune complication

Immune complication



