#### Ensuring ABO Compatibility Key to Safe Transfusion [Present state of transfusion errors]. Transfusion errors in New York State: an analysis of 10 years' experience. Consecutive national surveys of ABO-incompatible blood transfusion in Japan Abstract Most serious transfusion error is ABO-incompatible trans TRANSTUSION III JAPAN. FUIII Y, Shibala Y, Myala S, Inaba S, Asal J, Hoshi Y, Takamatsu J, Takahashi K, Ohio H, Juli T, Sagawa K, Shibala Y, Myala S, Inaba S, Asal J, Hoshi Y, Takamatsu J, Takahashi K, Ohio H, Juli T, Sagawa K, Shibala Y, Myala S, Inaba S, Asal J, Hoshi Y, Takamatsu J, Takahashi K, Ohio H, Juli T, Sagawa K, Shibala Y, Myala S, Inaba S, Asal J, Hoshi Y, Takamatsu J, Takahashi K, Ohio H, Juli T, Sagawa K, Shibala Y, Myala S, Inaba S, Asal J, Hoshi Y, Takamatsu J, Takahashi K, Ohio H, Juli T, Sagawa K, Shibala Y, Myala S, Inaba S, Asal J, Hoshi Y, Takamatsu J, Takahashi K, Ohio H, Juli T, Sagawa K, Shibala Y, Myala S, Inaba S, Asal J, Hoshi Y, Takamatsu J, Takahashi K, Ohio H, Juli T, Sagawa K, Shibala Y, Myala S, Inaba S, Asal J, Hoshi Y, Takamatsu J, Takahashi K, Ohio H, Juli T, Sagawa K, Shibala Y, Myala S, Inaba S, Asal J, Hoshi Y, Takamatsu J, Takahashi K, Ohio H, Juli T, Sagawa K, Shibala Y, Myala S, Inaba S, Asal J, Hoshi Y, Shibala Y, Myala S, Inaba S, Asal J, Hoshi Y, Shibala Y, Myala S, Inaba S, Asal J, Hoshi Y, Shibala Y, Shibala Y, Myala S, Inaba S, Asal J, Hoshi Y, Shibala Y, Shibala Y, Shibala Y, Shibala Y, Myala S, Inaba S, Shibala Y, Shiba Yox Sang, 2009 Oct;97(3):240-6. Epub 2009 May 20. Most serious transfusion error is ABO-incompa Transfusion reported the results of the holod transfusion in holod transfusion in which have transfusion 2000 cot, 4010 or in other ined for r, <u>shibata Y. Myata S. Inaba S. Agal I. Hogh Y. Takamatsu J. Lakanaseu K. Onto ft i</u> ment of Blood Translusion, Yamaguchi University Hospital, Yamaguchi, Japan, Yujii-yyo(gu Mades of the same and the state of the same of the sam transfusion in Japan. act \*\*GROUND AND OBJECTIVES: Morbidity and mortality from ABO-incompatible transfus \*\*GROUND AND OBJECTIVES: Morbidity and mortality from ABO-incompatible transfus \*\*GROUND AND OBJECTIVES: Morbidity and mortality from ABO-incompatible transfus \*\*GROUND AND OBJECTIVES: Morbidity and mortality from ABO-incompatible transfus \*\*GROUND AND OBJECTIVES: Morbidity and mortality from ABO-incompatible transfus \*\*GROUND AND OBJECTIVES: Morbidity and mortality from ABO-incompatible transfus \*\*GROUND AND OBJECTIVES: Morbidity and mortality from ABO-incompatible transfus \*\*GROUND AND OBJECTIVES: Morbidity and mortality from ABO-incompatible transfus \*\*GROUND AND OBJECTIVES: Morbidity and mortality from ABO-incompatible transfus \*\*GROUND AND OBJECTIVES: Morbidity and mortality from ABO-incompatible transfus \*\*GROUND AND OBJECTIVES: Morbidity and mortality from ABO-incompatible transfus \*\*GROUND AND OBJECTIVES: Morbidity and mortality from ABO-incompatible transfus \*\*GROUND AND OBJECTIVES: Morbidity and mortality from ABO-incompatible transfus \*\*GROUND AND OBJECTIVES: Morbidity and mortality from ABO-incompatible transfus \*\*GROUND AND OBJECTIVES: Morbidity and mortality from ABO-incompatible transfus \*\*GROUND AND OBJECTIVES: Morbidity and mortality from ABO-incompatible transfus \*\*GROUND AND OBJECTIVES: Morbidity and Morbidity from ABO-incompatible transfus \*\*GROUND AND OBJECTIVES: Morbidity and Morbidity from ABO-incompatible transfus \*\*GROUND AND OBJECTIVES: Morbidity and Morbidity from ABO-incompatible transfus \*\*GROUND AND OBJECTIVES: Morbidity from ABO-incompatible transfus \*\*GROUND AND OBJECTIVES: Morbidity and Morbidity from ABO-incompatible transfus \*\*GROUND AND OBJECTIVES: Morbidity and Morbidity from ABO-incompatible transfus \*\*GROUND AND OBJECTIVES: Morbidity from ABO-incompatible transfus \*\*GRO GROUND AND OBJECTIVES: Morbidity and mortality from ABQ-incompatible transfusion as consequences of human error. Even so, insufficient attention has been given to improving a store agents within the brenital. Austract Austract Austract Austract Austract experience. obtained fre NALS AND METHODS: National surveys of ABQ-incompatible blood transfusions were did by the Japanese Society of Blood Transfusion, with support from trom brinships of the July of Blood Transfusion, with support from the Ministry of Health of the July of the Ju WILLS AND METHODS: National surveys of ABO-incompatible blood transfusions with surrors from the Ministry of ABO-incompatible blood transfusions of ABO-incompatible blood transfusions. ACTIVITY PARTING 2008 FEBRY 2012/27/8-81. Clinical outcomes of ABO-incompatible RBC transfusions. Designational Activities and Landson a sion safety within the hospital. - are not well defined. We Jananour KA Kalmin Me, Janason HM, Holland PV. ents from Tyes, we should keep ABO agglutination test within bedside transfusion checks! o 1999, and A report of 104 transfusion errors in New York State. Translas Clin Etol. 2008 Nov.15(5):322-6. Epub 2008 Oct 18. ompatible Linden JV, Paul B, Dressler KP. Factors that predict outcome are studied whether the volume of income studied whether the volume of the symptoms and survival outcome to orth Center for Laboratories and Research, N transfusion checks]. ncompatible RBC transfusion In New York State, significant incider must be reported. Incident reports red other than the intended recipient or red 1,784,600 transfusions of red cell commend and control of the contr ABO incompatible transfusions are still a frequent cause of serious adverse transfusion reactions. Bedside check is intended to detect patient errors and prevent ABO mismatch. France is one of the Bedside check is intended to detect patient errors and prevent ABO mismatch. France is one of the Bedside checks. Evaluation test for red blood cells in bedside checks. Evaluation for the serious contraction of the field, despite few countries that includes ABO agglutination test, performed with a special card, shows that, this is not enough to this ABO agglutination test, performed with a special card, shows that this includes that is not enough to the ABO agglutination test, it can detect up to 93% of ABO incompatible rest, currently, checks that the frequent users' mishandling, it can detect up to 93% of ABO incompatible transfusions that the properties of the whole bedside procedure up to an error of the whole bedside procedure up Abstract ABO incompatible transfusions are still a frequent cause of serious adverse transfusion reaction. Bedinder should be improved an extensional property and president ABO minimatch. France is considered to the property of the prope Survey of America's Blood Center [Article in French] ey or America's blood of comes of ABO-incompati ABO-incompatible transfusions Daurat G. Of 36 patients who received n met study criteria (1/19,000). There we or 36 patients who received symptoms related to the incorreceived 50 mL or less of in these (1/600,000) were fatal. Correction estimate of 1 per 12,000 as the true risk data results in an estimate of 800 to 900 Hypotension, hemoglobinut and patients who died AB French regulation in 2003. Since then, the incidence of ABO incompatible transfusions has feel decreased dramatically and faster than in any other country, so France has now, probably rate of ABO accidents that sit focus, rate of ABO incompatible transfusions. The investigation of the few ABO accidents that sit focus, rate of ABO incompatible transfusions. The investigation of the few ABO accidents that as the few about the few ABO accidents that all the few ABO accidents that are the few ABO accidents that all the few ABO accidents the few ABO accidents the few ABO accidents that all the few ABO accidents the few annually. The majority of reported errors of failure to identify the patient and/or unit pri estimated 99.65%, for detection of ABO incompatibilities. This linkage has been introduced. French regulation in 2003. Since then, the incidence of ABO incompatible transfusions has decreased dramatically and faster than in any other country, so France has now, probably, the decreased dramatically and faster than in any other country. occurrence of symptom error), while the blood bank was responsi hospital service, to 17 percent. The risk of t prevent death. significant, and additional precautions to m ABO errors.

- Globally ABO-incompatible transfusions are still a frequent cause of serious adverse transfusion reactions.
- Most errors result from human actions and thus may be preventable.

Facts:

- In two consecutive surveys of ABO incompatible blood transfusion in Japan, out of 226 reported incidences 118 were because of identification error between patient and blood product.
- In a survey of America's Blood Centers they found that out of 42 reported ABO incompatible transfusions 26 occurred at patient's bedside.
- Majority of adverse events occur outside the blood bank, which suggests that hospital wide efforts are required to minimize ABOincompatible transfusions.

Most Hemolytic Transfusion Reactions and resultant deaths are because of inadvertent administration of ABO-incompatible red cells. Such transfusions result from errors in sample or patient identification. In order to prevent life threatening Hemolytic Transfusion Reactions because of ABO-incompatible blood transfusion bedside ABO and Rh grouping of patient and donor's blood unit should be incorporated in pre transfusion testing.

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