

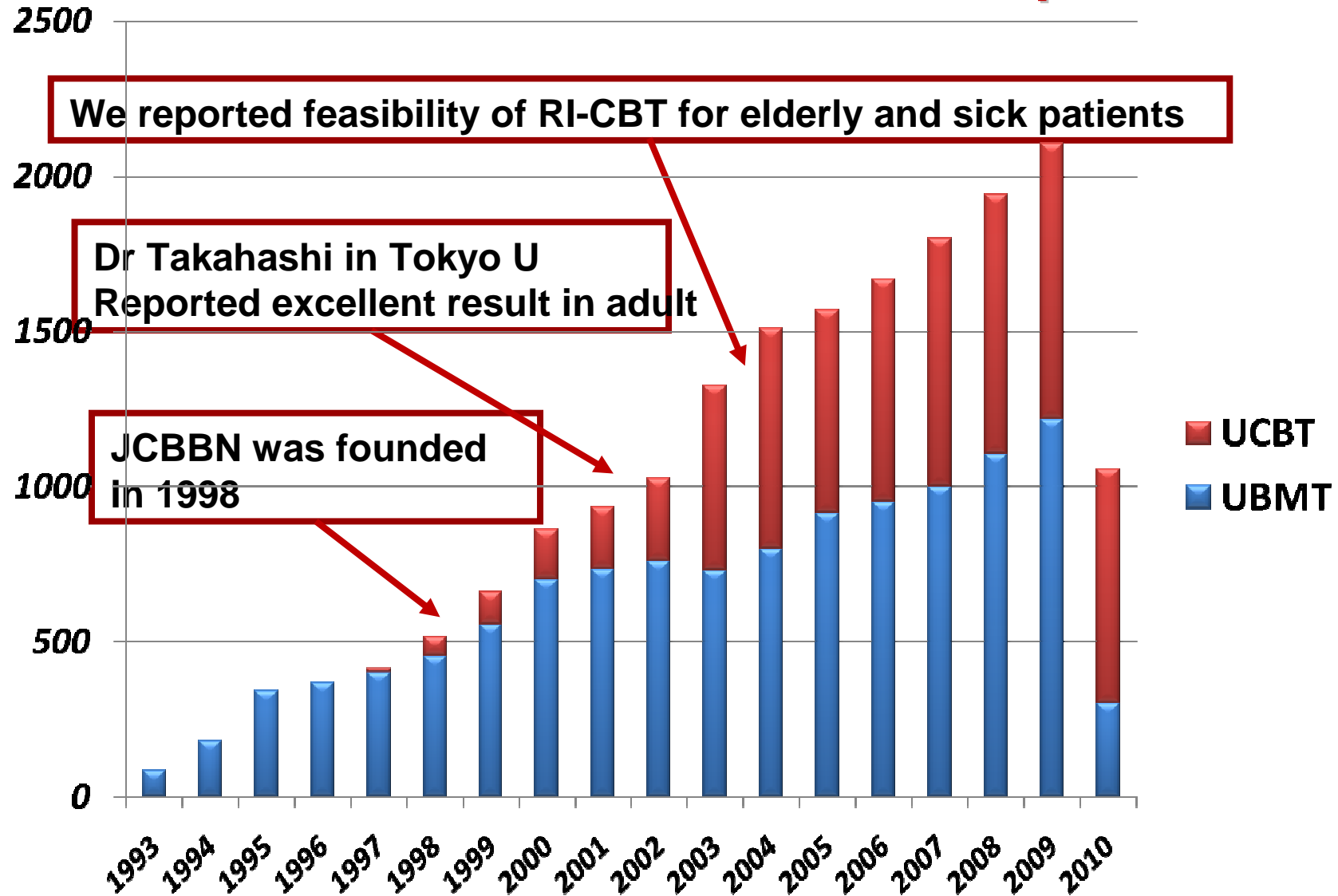
The 1st International Workshop
On Hematopoietic Stem Cell Transplantation
In Emerging Countries
Hanoi, Vietnam, 11/10-11/2011

Stem Cell Source
cord blood

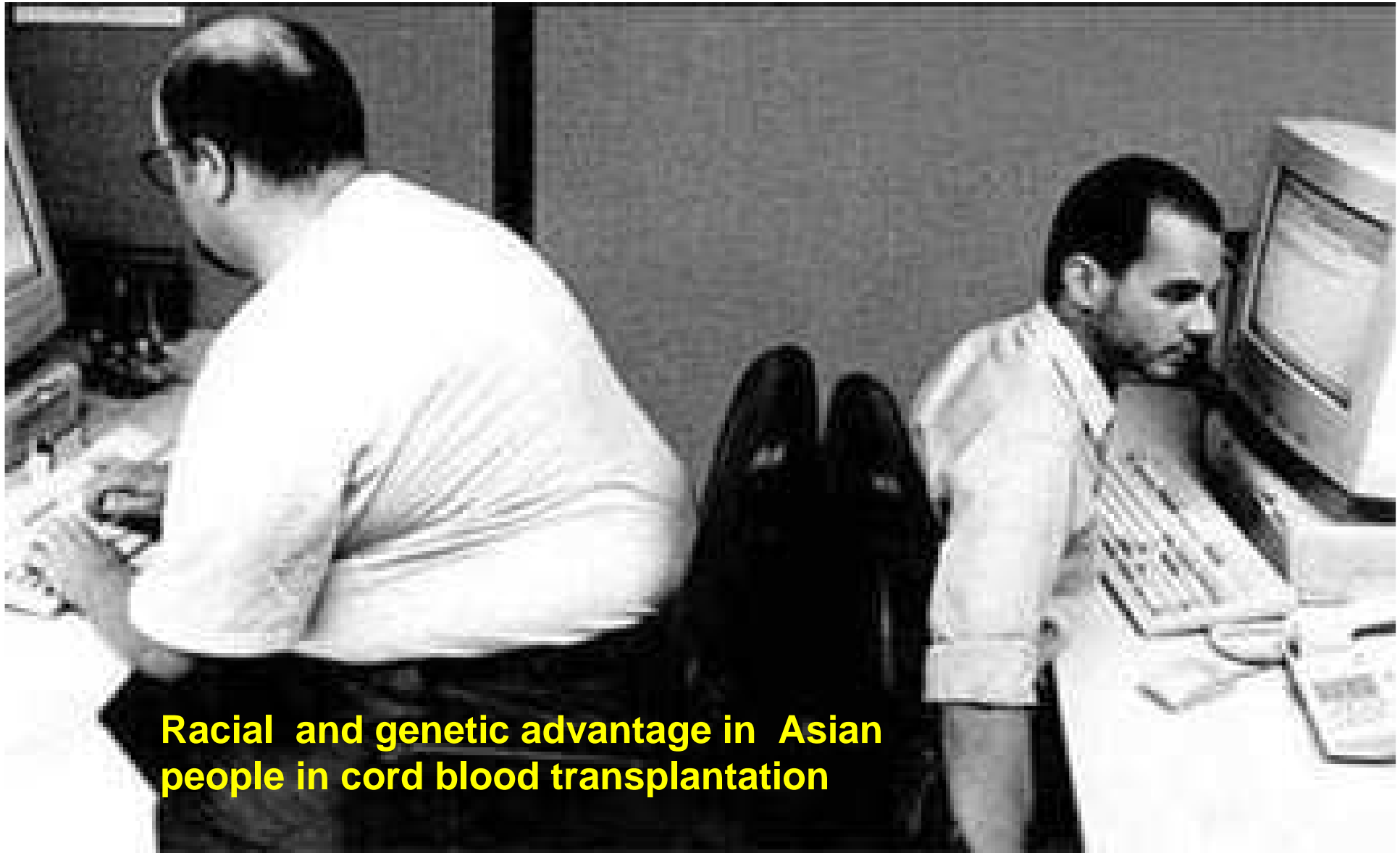
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Trend of UBMT and UCBT in Japan



JCBBN: Japan Cord Blood Bank Network



Racial and genetic advantage in Asian people in cord blood transplantation

111112 Hanoi, Vietnam

Why cord blood?

Advantages

1. Rapid availability
2. Less stringent HLA matching required
→ increase availability to ~90% of recipients
3. No donor risk

Disadvantages

1. Cell dose limit precludes patients with high body weight
2. Slow engraftment/higher incidence of graft failure
3. Higher early treatment-related mortality, supposed
4. Long-term outcome unclear
5. anti-malignancy effect powerful enough to eradicate disease ?
6. possible genetic disorders transmission ?
7. No chance of donor lymphocyte infusion



Donor Selection Algorithm in Toranomom Hospital

