WHO Initiative on Vigilance for Organs, Tissues and Cells: Project NOTIFY

D. Michael Strong, PhD
Retired (Sort of)

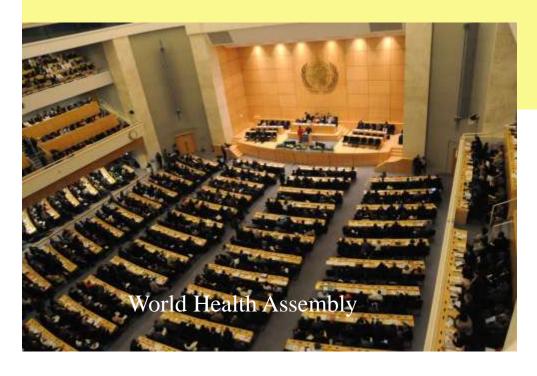
Affiliate Professor, Department of Orthopaedics and Sports Medicine,
University of Washington, School of Medicine
Seattle, WA

· 2004

World Health Assembly Resolution WHA57.18 Cell, Tissue and Organ Transplantation

URGES Member States:

-1) to implement effective national oversight of procurement, processing and transplantation of human cells, tissues and organs, including ensuring accountability for human material for transplantation and its traceability;



Governments are responsible

World Health Assembly Resolution WHA63.22 Human Organ and Tissue Transplantation

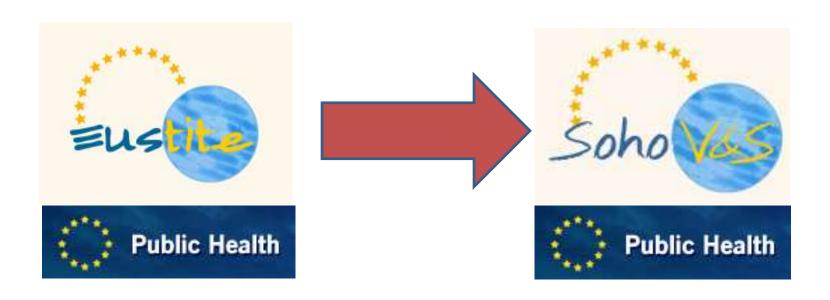
2. URGES Member States:

•••

- (7) to collaborate in collecting data including adverse events and reactions, on the practices, safety, quality, efficacy, epidemiology and ethics of donation and transplantation;
- (8) to encourage the implementation of **globally consistent coding systems** for human cells, tissues and organs as such in order to facilitate national and international traceability of materials of human origin for transplantation;
- 3. REQUESTS the Director-General:

•••

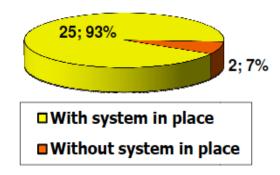
(4) to facilitate Member States' access to appropriate information on the donation, processing and transplantation of human cells, tissues and organs, including data on severe adverse events and reactions;



WHO is a Partner as Vigilance and Surveillance must be global

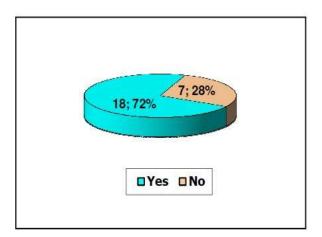


European SOHO V&S Systems

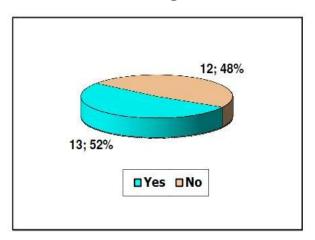


Interaction/Cooperation with other reporting systems

Haemovigilance



Pharmacovigilance



Survey of European V&S Systems, 2011



V&S Project NOTIFY 2010-2011





- Recruiting health care professionals and other stakeholders for CTO V&S on the basis of evidence : database of types of SARE
 - Understanding the What, Why, How of V&S
 - Mapping risks according to current global evidence in V&S (NOTIFY Db)
 - Generic information to be adapted by national health authorities
- Progressing towards a common global V&S
- Increasing community involvement and collaboration between stakeholders
- Searching for excellence to match the commitment to donation and transplantation



The Notify Project

- Scope: organs, tissues and cells for transplantation and for assisted reproduction.
- Aim: to create a compendium of cases of adverse reactions/events for donors and recipients of organs, tissues or cells, noting how they were detected, confirmed and documented and to develop guidance based on the information collected.

PROJECT NOT I F Y: The Google Site



The NOTIFY Website Participants

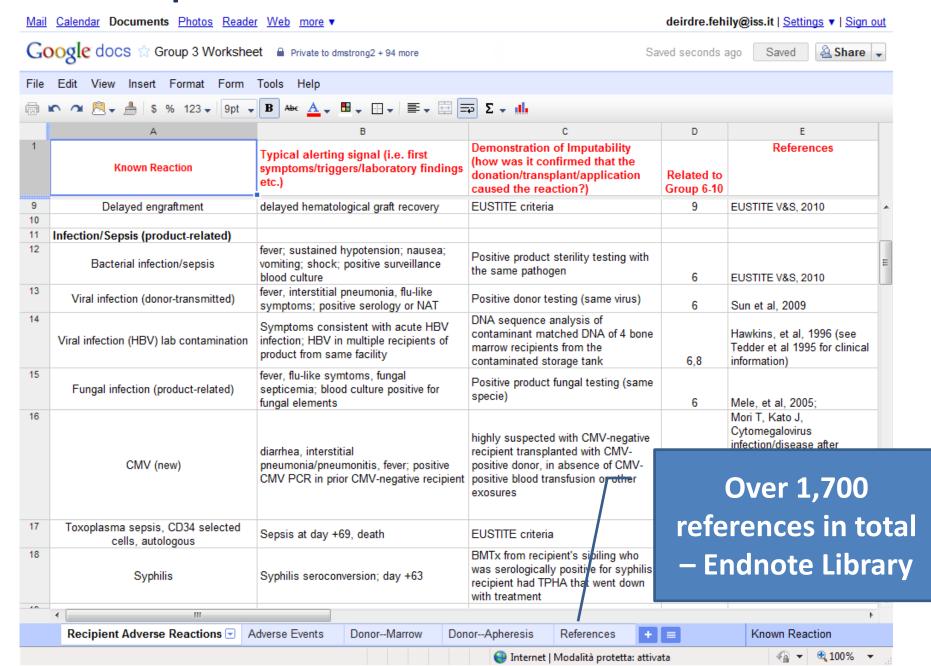
- Site shared with 102 people
- From 25 countries
- Governmental organizations both regulatory and nonregulatory (WHO, European Commission, FDA, CDC, TGA, HTA, FHEA, AFSSAPS, ABM, CNT, ONT, PHAC, DMA, IMB, KFDA, PHA, ANVISA)
- Professional Societies (TTS, AABB, AATB, EATB, ESHRE, EEBA, EBAA, EBMT, WMDA, SICOT ...)
- National and international non-governmental organizations (NMDP, UNOS, Eurotransplant, Donor Action)
- European projects: EFRETOS, SOHO V&S

Working Groups 1-5

Substance	Leaders
Organs	Paolo Grossi (Italy) Matthew Kuehnert (CDC, USA) Francis Delmonico (The Transplantation Society) Sante Venettoni (Italy)
Corneas	Naoshi Shinosaki (Japan) Paul Dubord (Canada) Marion Macsie (EBAA, USA)
Other Tissues	Ted Eastlund (USA) Byoung-Suck Kim (Korea) Maurice Hinsenkamp (SICOT, Belgium)
НРС	Laura St Martin (FDA, USA) Dietger Niederwieser (WBMT, Germany) Kathy Loper (AABB)
Gametes and Embryos	Luca Gianaroli (ESHRE, Italy) Anne Cathrine Bollerup (Denmark) Mauro Costa (Italy)

Groups 1-5 gathered documented cases of adverse reactions and events associated with organ, tissue or cell application in humans (with references), identifying the triggers that alerted clinicians and the procedures followed to clarify imputability

An example of a worksheet HPC



Group 1
List Reactions
and Events in
Organs

Group 2
Lists Reactions
and Events for
Tissues
(non ocular)

Group 3
Lists Reactions
and Events for
HSC

Group 4
Lists Reactions
and Events for
Ocular Tissues

Group 5
Lists Reactions and
Events for
Gametes and
Embryos

Group 6

Master Sheet
Infections

Group 7

Master Sheet

Malignancy

Group 8

Master Sheet

Characteristics

and Handling

Group 9

Master Sheet

Clinical

Practice

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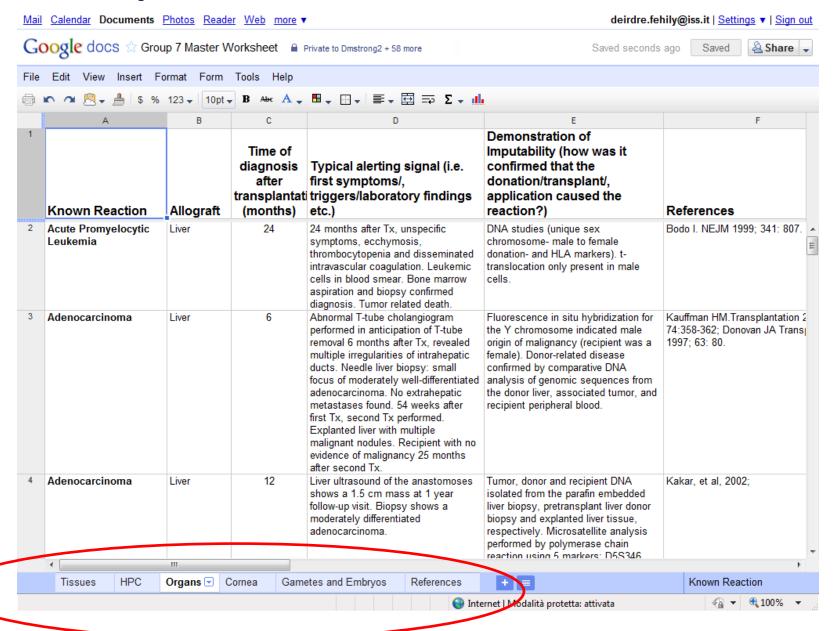
Practice

Working Groups 6-10

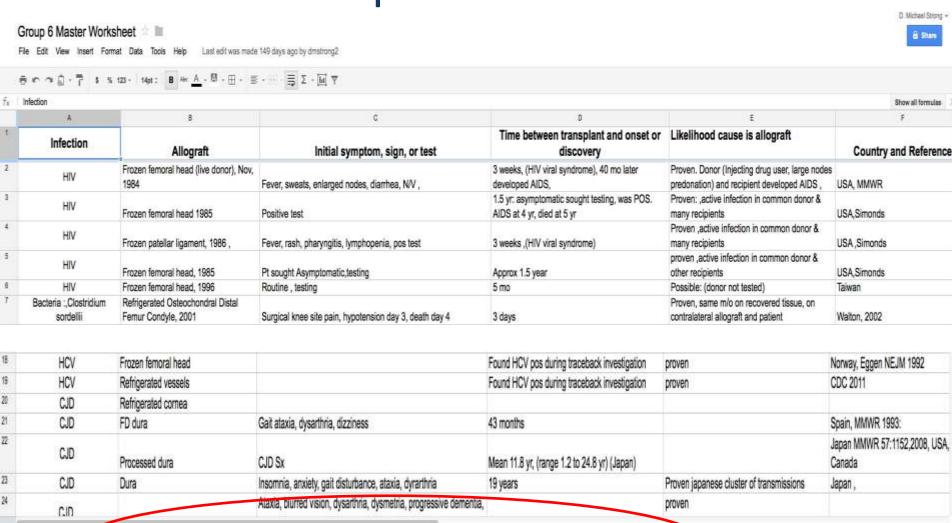
Substance	Leaders
Infection	Mike Ison (USA) Richard Tedder (UK) Francesco Procaccio (Italy)
Malignancy	Rafael Matesanz (Spain) Antonietta Derrico Griggioni (Italy) Jeremy Chapman (Australia)
Genetic and Donor	Carolina Stylianou (Cyprus) Denis Confer (WBMT, NMDP, USA) Emanuele Cozzi (Italy)
Product Property	Diego Ponzin (Italy) Scott Brubaker (AATB, USA) Axel Rahmel (Eurotransplant, Efretos Project)
Clinical Practice	Lorenza Ridolfi (Italy) Renee de Vries (IHN) Paula Nolan (UK)

regrouped the cases collected by groups 1-5 by type of reaction/event and developed guidance for clinicians for early detection and treatment and for establishing cause

An example of a master worksheet...



A Master Worksheet Group 6 - Infections



Infection

Pathogen Working Groups Group 5: Gameles Group 4: Occular Tissue - Group 3: HPC Group 2: Tissue - Group 1: Organs Fungi Parasites Bacteria Other (Prioris, etc.) Viruses References

The Development of V&S Guidance

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Master Sheet
Characteristics
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Practice









BOLOGNA NOTIFY MEETING

PROGRESS OF THE BOLOGNA OUTCOMES









The Meeting Participants

- 116 attendees
- Regulators, government agencies, professional societies, international organisations, scientific and clinical experts in organ, tissue and cell transplantation and in assisted reproduction.
- 36 countries (Bulgaria, Italy, USA, Switzerland, Spain, France, Germany, Netherlands, Japan, India, Argentina, Portugal, Ireland, Denmark, Czech Republic, Lithuania, Slovenia, Australia, Brazil, Norway, Slovakia, Luxembourg, Thailand, Canada, Poland, Belgium, Singapore, Austria, Iran, South Africa, Russia, Croatia, Cyprus, Malta, Romania, Nigeria)
- Detailed report by lead rapporteur, Frances Delaney, and support Rapporteurs.





The NOTIFY Project

Alessandro Nanni-Costa, Deirdre Fehily, Mike Strong, Stratos Chatzixiros, Daniela Minutoli







Bologna

The Meeting, Feb. 2011

Review of types of SARE

Towards an ongoing library of didactic cases

BIG V&S

Bologna

Initiative for

Global

Vigilance and

Surveillance
First International Advisory Group
on V&S for CTO
Geneva 5-6 July 2011

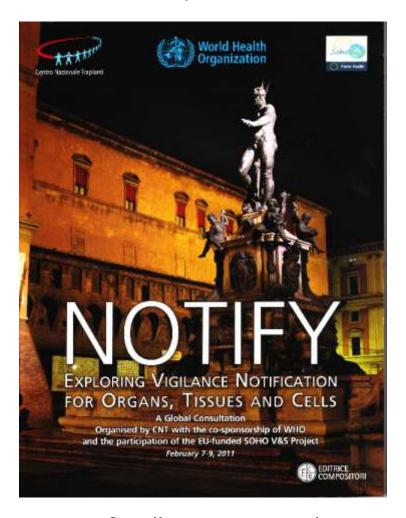
Pre-Bologna

The Notify Google Site
All types of SARE with human
CTO

PROJECT NOTIFY OUTPUTS

- Detailed Meeting Report with 4 didactic documents published in a Special Edition of Organs, Tissues and Cells, November 2011
- An international network of experts sharing expertise on vigilance across organs, tissues, cells, gametes and embryos
- A new public website to host the Notify Library of Adverse Events and Reactions
- A WHO booklet on Vigilance and Surveillance for Clinicians and Regulators

Organs, Tissues and Cells Nov., 2011



Organs Tissues & Cells. 2011, November, 14, 3: Supp.

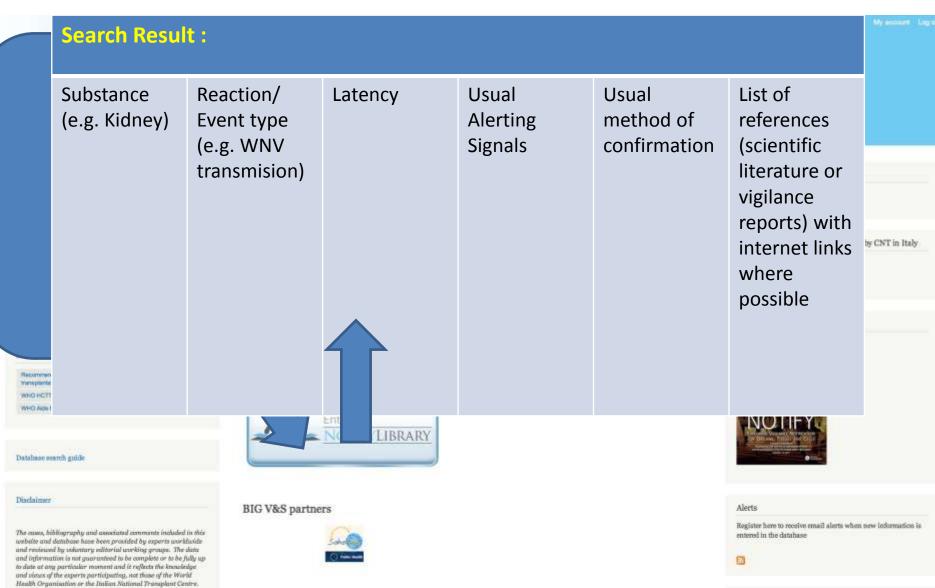
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The new website will host the new searchable database



If you have comments, questions or suggestions for the improvement of this site, or new information that should be included in the Netify Library, contact us at notifytheavy Plimit or dick here CONTACT US:

Contact or





The NOTIFY Library Operation



Annual WHO Global Consultation on V&S Review LIBRARY Literature review Structured of evaluated and **Automated** relevant material **Accept** Comprehensive **Five** Editorial WGs Ad hoc queries Infection current, and Malignancy **CNT Secretariat** accessible Handling-clinical errors Genetic Analyse new data and modify Living donor structured analysis regarding alerting signals etc. **Partner organisations** Reject provide information **Analysis** – structured, **Competent Authorities**

Competent Authorities
Scientific Professional
Societies

Record of
justification of

Analysis – structured,
searchable, current, and
accessible

Rejection

NOTIFY Editorial Groups

Infections

- Co-chairs: Mike Ison and Paolo Grosso
 - Other members: Ted Eastlund, Melissa Greenwald and Richard Tedder

Malignancy

- Co-chairs: Jeremy Chapman and Rafael Matesanz
 - Other members: Haibo Wang, Dietger Niederwieser and Kathy Loper

Process

- Co-chairs: Scott Brubaker and Francis Delmonico
 - Other members: Axel Rahmel, Anne Cathrine Bollerup and Marian Macsai

Genetic

- Co-chairs: Mauro Costa
 - Other members: Denis Confer, Jun Wu and Chris O'Toole

Living Donor

- Co-chairs: Bronwyn Shaw and Daniel Roberto Coradi de Freitas
 - Other members: Carolina Stylianou, Tim Pruett and Tomonori Hasegawa

SOHO & EUROCET WEBSITES



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- A WHO Handbook on Vigilance and Surveillance, a Guidance for Clinicians and Health Authorities