Human Research Determination

Allison Blodgett, PhD, CIP Director of IRB Operations University of Massachusetts Medical School

Institutional Review Boards (IRB) Committee established to comply with

 Protect the rights and welfare of all human subjects who volunteer to participate in research studies

federal regulations

 Review and approve protocol submissions, progress reports, modifications, and reports of new information/events













Case #1:

- Dr. Cimoneg is proposing to perform genomic studies on DNA samples that have been collected and banked by Dr. Michaels.
- Dr. Michaels maintains a database with the private identifiable information on the samples, but does not provide any identifying information with the samples.
- Is Dr. Cimoneg involved human subjects research?















Case # 3

 Dr. Johnson received a grant to study the effects of alcohol on the elderly. Her grant ended July 31, 2011. Once her study was over she created a copy of the database and removed all private identifiable information. She currently uses the de-identified information for analysis.

Is this human subject research?

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- Ensure that research staff are qualified (e.g., including but not limited to appropriate training, education, expertise, credentials, protocol requirements and, when relevant, privileges) to perform procedures and duties assigned to them during the study.
- Investigators and research staff are required to complete initial training and continuing training at least every three years.
- > Personally conduct or supervise the research.
- Conduct the research in accordance with the relevant current protocol approved by the IRB.











New York Times

WASHINGTON, Jan. 21— The Food and Drug Administration temporarily shut down human gene therapy experiments at the University of Pennsylvania today after an inspection uncovered "numerous serious deficiencies" in ensuring patient safety during a clinical trial that cost an 18-year-old Arizona man his life. The decision to place the entire program -- eight experiments, including five active clinical trials in diseases ranging from cystic fibrosis to breast cancer -- on "clinical hold" is highly unusual. The hold is indefinite, agency officials said, and will not be lifted until the agency is convinced that the university's Institute for Human Gene Therapy can follow federal rules designed to protect study volunteers from harm.







Resources

- Feasibility Checklist
- Policies:
 - Investigator Guidance (HRP-800)
 - Worksheets Criteria for Approval (HRP-400), Advertisements (HRP-402), and Payments (HRP-403)
- Protocol Review Committees
 - Cancer
 - CCTS for Investigator-Initiated greater than minimal risk research that would not otherwise be peer reviewed



Sound Study Design

- Assess if the research will address the needs of UMMS, UMMHC patients, or community
- Determine if study is realistic within existing constraints
- Maximize the chance of successful completion of the study while protecting human subjects.



Sound Study Design: Policies

HRP-400, IRB Criteria for Approval Worksheet:

Evaluate whether identified resources are sufficient, including:

- Time to conduct and complete the research
- Qualifications of investigators and research staff
- Access to eligible population appropriate to meet recruitment goals
- Medical or psychosocial services that subjects may need as a consequence of participation in research







ELEMENT III.1.D RESOURCE AVAILABILITY

Resource Availability

- Arrange for adequate resources to conduct research
 - Personnel
 - Time
 - Access to study population
- Monitor study progress to identify and address when additional resources are needed





ELEMENT III.1.E FAIR & EQUITABLE RECRUITMENT

Fair and Equitable Recruitment

- Avoid practices that place participants at risk for coercion or undue influence
- Plan for recruitment and retention of an unbiased/representative patient population





Fair and Equitable Recruitment: Policies

HRP-403, Payments Worksheet

- The amount/method/timing of payment is neither coercive nor presents undue influence
- Credit for payment is progressive and not contingent upon completing the entire study
- Any bonus for completion wouldn't unduly influence subjects to stay in the study if they would have otherwise withdrawn
- All information concerning payment is described in the consent document



- Human Research Protection Program
- Oversee research protection for human subjects, provide training for investigators and research staff, ensure compliance with University policies, federal regulations, state laws and national standards
 - irb@umassmed.edu 508-856-4261
 - Director: Allison Blodgett
- CCTS Office of Clinical Research (OCR)
 - Assistance with contracts, budgeting, OnCore study set up
 - clinicalresearch@umassmed.edu 508-856-5200
 - Director: Danielle Howard

Important Contact Information

CCTS Accelerator

- Feasibility assessments, recruitment and retention consultations, IND consultations, protocol review
- Clinical Research Navigator <u>Ann.han@umassmed.edu</u>
- 508-856-1960
- CCTS Clinical Research Center (CRC)
 - Specimen processing facilities, clinical exam rooms, nursing and regulatory coordinator staff to conduct clinical research procedures
 - <u>clinicaltrialsunit@umassmed.edu</u> 508-856-2800
 - Manager: Celia Hartigan



Important Contact Information

- Investigational Drug Service (IDS) Pharmacy
 - ids@umassmemorial.org 774-443-8667
- Radiation Safety
 - radsafety@umassmed.edu 508-856-3208
- Institutional Biosafety Committee (IBC)
 - Colleen Driskill, 508-856-5527
- UMMS Department of Emergency Medicine
 - EmergencyMedicineResearch@umassmed.edu
- Students as Study Subjects Ad Hov Advisory Group