



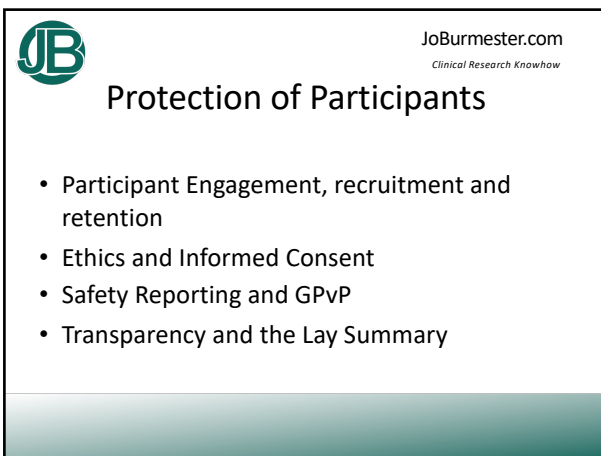
Slide 1: Clinical Trial Conduct. The slide features the JoBurmester.com logo in the top left corner, the text 'JoBurmester.com Clinical Research Knowhow' in the top right, and the main title 'Clinical Trial Conduct' with the subtitle 'Course Tutor: Jo Burmester' in the center. A green gradient bar is at the bottom.

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Slide 2: Agenda. The slide features the JoBurmester.com logo in the top left corner, the text 'JoBurmester.com Clinical Research Knowhow' in the top right, and the main title 'Agenda' in the center. Below the title is a bulleted list: 'Protection of Participants', 'Data Quality and Data Integrity', and 'Management of IMP'. A green gradient bar is at the bottom.

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Slide 3: Protection of Participants. The slide features the JoBurmester.com logo in the top left corner, the text 'JoBurmester.com Clinical Research Knowhow' in the top right, and the main title 'Protection of Participants' in the center. Below the title is a bulleted list: 'Participant Engagement, recruitment and retention', 'Ethics and Informed Consent', 'Safety Reporting and GPvP', and 'Transparency and the Lay Summary'. A green gradient bar is at the bottom.

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Participant Engagement, Recruitment and Retention

- Involvement of patients in trial design
- Patient centricity
 - Trial design
 - Remote vs onsite assessments
- Recruitment process
- Payments?
- Feedback and follow up


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Ethics Committee Approval

- IEC responsibility for participant protection
- Appropriately Constituted
- In UK regulated by HRA
- Review now combined with MHRA (CTA)


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Informed Consent

- It's a process not a document
 - Provide information
 - Time to consider
 - Opportunity to ask questions
 - ONLY THEN should they sign
- eConsent
- Ongoing consent/withdrawal


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Informed Consent

What would you want to know?

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SAFETY REPORTING


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Safety Review – Sponsor Responsibility

- Ongoing risk benefit
 - Animal toxicology
 - Adverse event reporting
 - Efficacy review
- Annual Report – DSUR
 - Within 60 days of IDBD
 - All research related events
 - ICH E2F


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Safety Reporting – Investigator Responsibility

- Report all AEs in the Case Report Form
- Report Serious AEs to sponsor within 24 hours
- Causality Assessment

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Adverse Event Reporting

- AE
- ADR
- SAE
- SSAR
- SUSAR
- DSUR

Adverse Event: Any untoward medical occurrence which happens to a participant in a clinical trial, regardless of relationship to test product

Adverse Drug Reaction: An AE which has a causal relationship to test product


Serious AE:
Fatal
Life threatening
Hospitalisation
Congenital anomaly
Disabling/Incapacitating

Suspected Serious Adverse Reaction

Suspected Unexpected Serious Adverse Reaction
EXPEDITED REPORTING

Development Safety Update Report: Annual report of all safety information related to research


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Reference Safety Information

- Q&A document published by CTFG
- Came into force Jan 2019
- RSI should be a separate section in the IB


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RSI

- Purpose of RSI:
 - Identify SUSARs for expedited reporting
 - Categorise Events for DSUR


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RSI

- DO include:
 - Events classified using preferred terms (MEDDRA)
 - Events which are:
 - Serious
 - Reasonable evidence of causal relationship
 - Reported more than once
 - Has been OBSERVED with THIS product


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RSI

- “Expected” only if event appears at the same
 - Frequency
 - Specificity
 - Intensity


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Transparency and the Lay Summary


- Inclusion of Trial in a public database
- Publication of Final Study Report
- Publication of Summary of Results Understandable to the Lay Person
- Communication with participants post trial

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Data Monitoring and Management


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Data Integrity

- A**
- L**
- C**
- O**
- A**


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Data Integrity (continued)

-  Available
-  Complete
-  Consistent
-  Enduring


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Monitoring and Query Resolution

- **Monitoring Visits**
 - ICH GCP 5.18.4
 - Monitor to visit before, during and after the trial
 - 3 reasons for monitoring:
 - Protection of subjects
 - Quality of data
 - Compliance with protocol and GCP

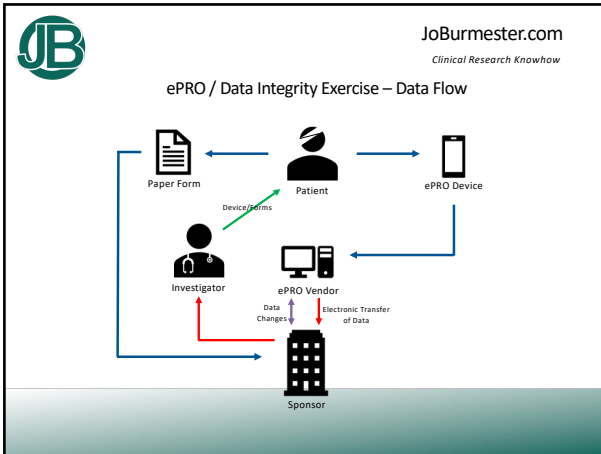
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Monitoring

- **Protection of Subjects**
 - Check informed consents
 - Check protocol compliance
 - Check adverse events
 - Check IMP
- **Quality of Data**
 - CRF review
 - SDV
 - Data query resolution
- **Compliance with protocol and GCP**

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Data Management Process


- Process between receiving the CRF data (paper or electronic) and releasing a clean database
- Terminologies:
 - Database
 - Data Entry
 - Data Validation

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Data Management Process

- Data Query (aka Data Clarification)
 - Document raised to ask for clarification or correction of a data point
- Coding
 - Applying a dictionary of terms (eg Meddra) to text data to be able to group like terms, eg to adverse events
- Clean Data/Clean Database
 - Data that has been entered, validated, coded and all queries have been resolved
- Database Lock
 - Database that is considered clean and final and ready to be released to statistics for analysis


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Data Management Process

- Common challenges
 - Missing data and missing visits
 - Values outside of range
 - Inconsistency between adverse events and conmeds
- Common misunderstanding
 - Data management is an ongoing process throughout a trial
 - It is not just at the end of a trial
 - End-weighted recruitment can potentially cause large issues


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Final Study Report

- Required within one year of end of trial
- Content and format outlined in ICH E3
- Now need to include information on management of risk and breaches of Quality Tolerance Limits

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RBQM


- Risks
- Quality Tolerance Limits
- Key Risk Indicators
- Thresholds
- Mitigations

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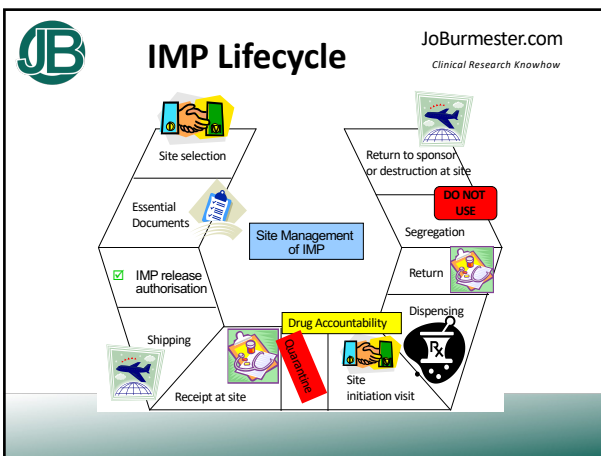
What Might Affect Risk in a Clinical Trial?

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Drug Handling, Compliance and Accountability

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IMP Release

- Release from Manufacture end
 - All batch release documentation in place
 - GMP release


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IMP Release

- IMP must not be sent to site until the site is ready.
 - Selection visit done
 - Receipt and storage arrangements made
 - Ideally initiation visit done or in progress
- Essential Documents must be on file
 - Ethics Committee approval
 - Regulatory approval
 - What else?


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Site Management of IMP

- Personnel
 - Pharmacist, Investigator, Nurses, Subjects
 - Trained in study procedures
 - Trained in drug storage, dispensing and accountability
- Who has responsibility at the site?
 - Investigator
 - Pharmacist
 - Monitor


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Site Management of IMP

- Storage
 - Temperature
 - Light
 - Humidity
- Access
 - Locked
 - Limited access
- Status
 - Quarantine
 - Returns – need to be in separate location and clearly marked


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Site Management of IMP

- Randomisation and blinding
 - Train staff and check randomisation
 - Check blinding at every visit
- Dispensing
 - Prescription process
 - How does it get from pharmacy to patient?
 - What QC checks for dispensing?
- Accountability
 - Risk proportionate
 - Keep up to date


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Site management of IMP

- Returns
 - Kept separate so not used for other patients
- Disposal
 - Returned to sponsor
 - Destroyed at site with written sponsor approval
 - Documentation
- Recall Procedure

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Site Management of IMP

Exercise

- What would you do if?
 - Temperature goes out of range
 - Drug given to wrong patients in study
 - Drug given to patients not in study
 - Drug gets lost in hospital
 - Patients do not return drug


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Summary

- Protection of Participants
- Data Quality and Data Integrity
- Management of IMP

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Thank you for coming!

- Quiz
- Certificates
- Additional resources

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ePRO / Data Integrity Exercise – Data Flow

