







13 principles of good clinical practice

- Principles related to ethical issues
 - Declaration of Helsinki (principle 1), estimation of risks involved in clinical research (principle 2), safeguarding patient rights (principle 3), review by an IRB/IEC (principle 6), informed consent (principle 9), assurance of confidentiality (principle 11)
- Principles related to scientific aspects
 - Based on adequate information (principle 4), described in a study protocol (principle 5), responsibility of a qualified physician (principle 7), performed by educated staff (principle 8)
- Principles related to quality management
 - Safeguarding of research data (principle 10), GMP manufacturing of investigational product (principle 12), implementation of a quality management system (principle 13)

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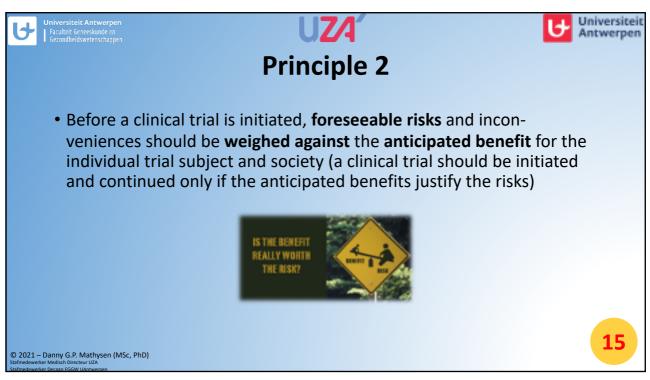
Principle 1

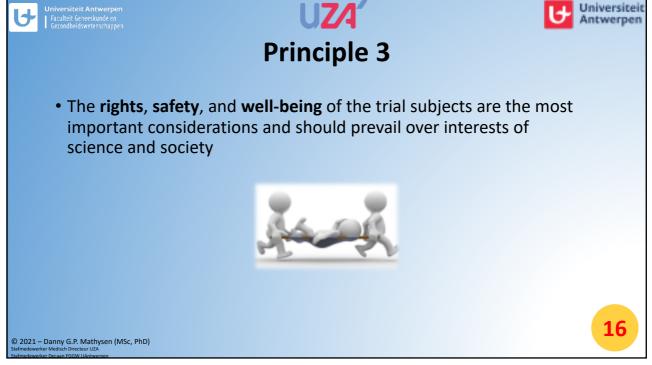
 Clinical trials should be conducted in accordance with the ethical principles that have their origin in the Declaration of Helsinki, and that are consistent with GCP and the applicable regulatory requirement(s)

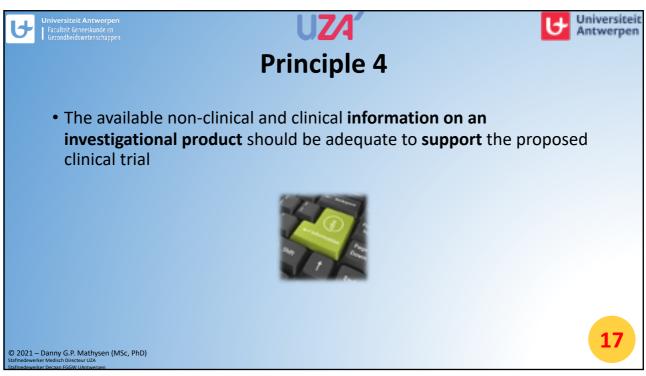


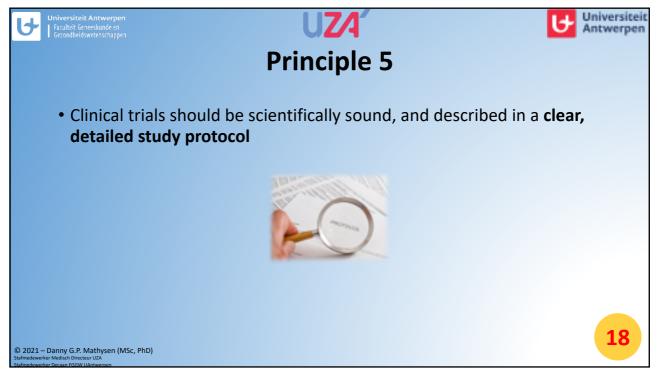


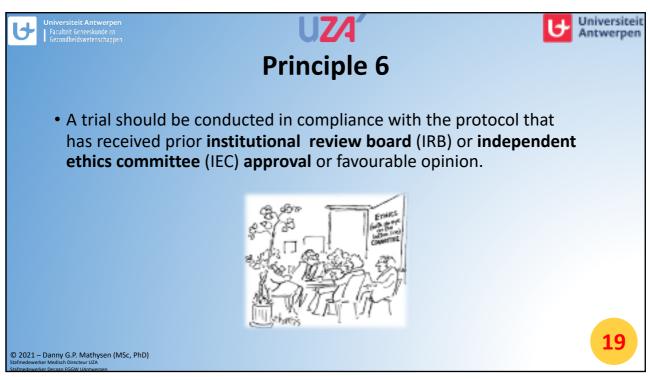
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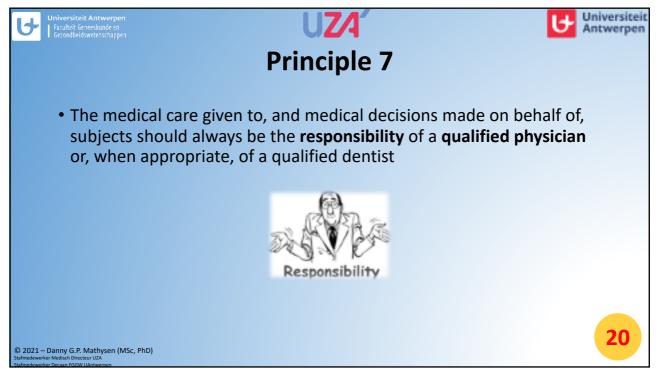


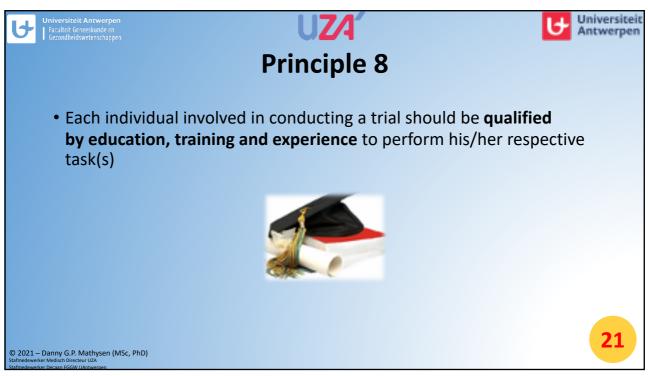


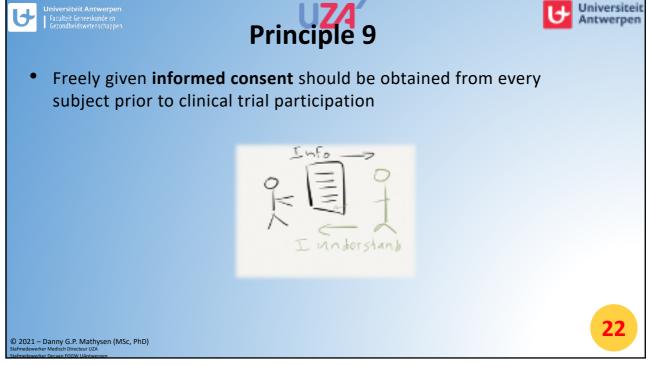


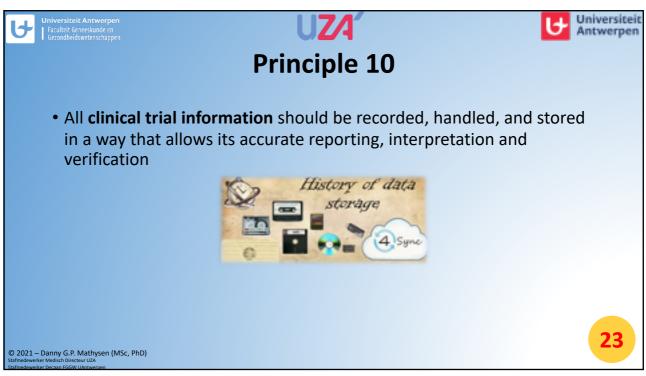


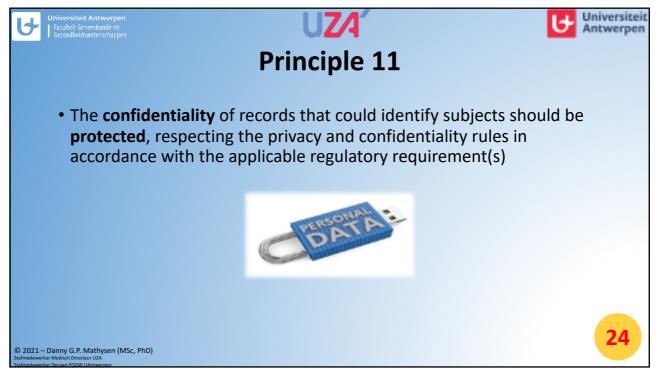


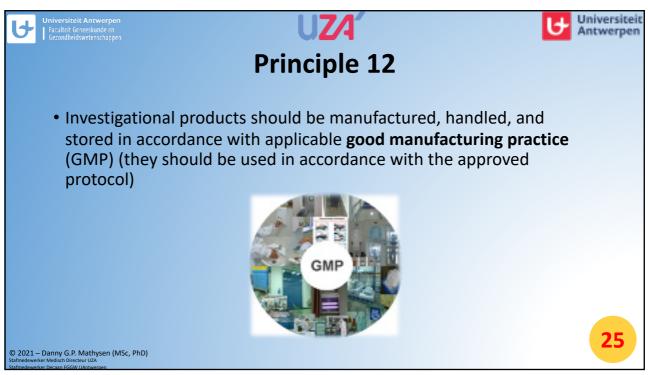


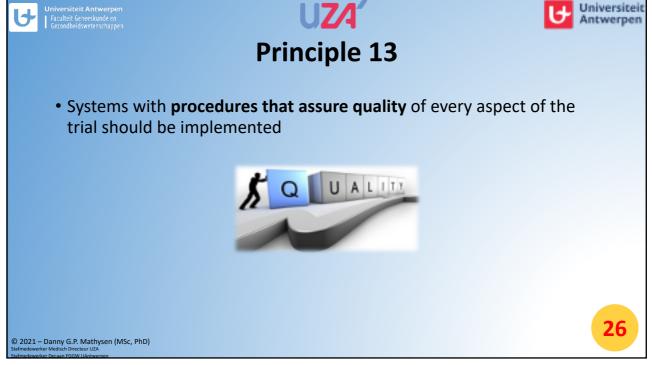


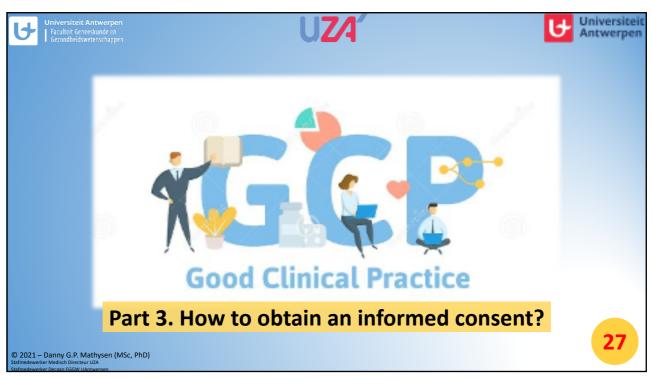


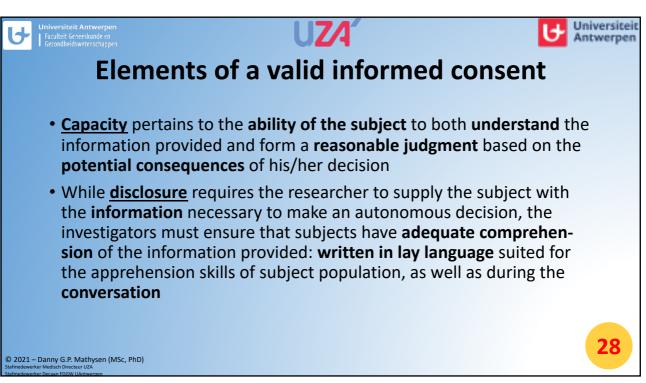


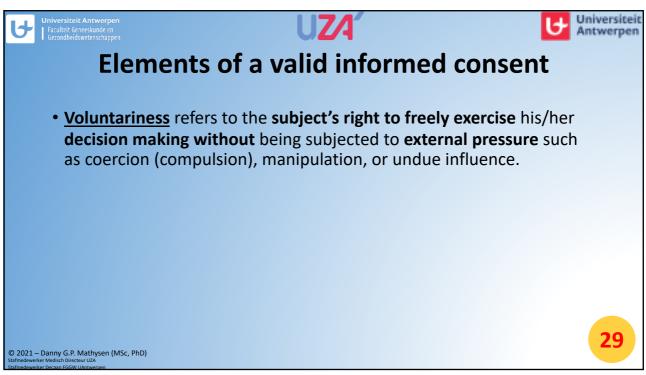




















Quality assurance versus quality control

- Quality assurance (QA)
 - All those planned and systematic actions that are established to ensure that the trial is performed and the data are generated, documented, and reported in compliance with

Good Clinical Practice (ICH-GCP) and the applicable regulatory requirement(s)

- Quality control (QC)
 - The operational techniques and activities undertaken within the quality assurance system to verify that the requirements for quality of the trialrelated activities have been fulfilled

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Monitoring of clinical research

- Monitoring
 - The act of overseeing the progress of a clinical trial, and of ensuring that it is conducted, recorded, and reported in accordance with the protocol, standard operating procedures (SOPs), Good Clinical Practice (ICH-GCP), and the applicable regulatory requirement(s)
- Monitoring report
 - A written report from the monitor to the sponsor after each site visit and/or other trial-related communication according to the sponsor's SOPs
- Monitoring plan
 - A description of the methods, responsibilities and requirements

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Auditing of clinical research

- Audit
 - A systematic and independent examination of the trial-related activities and documents to determine whether the evaluated trial-related activities were conducted, and the data were recorded, analyzed and accurately reported according to the protocol, sponsor's standard operating procedures (SOPs), Good Clinical Practice (ICH-GCP), and the applicable regulatory requirement(s)
- Audit report
 - A written evaluation by the sponsor's auditor of the results of the audit
- Audit certificate
 - A declaration of conformity by the auditor that an audit has taken place

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Validation of computerized systems

- A process of establishing and documenting that the specified **requirements** of a computerized system can be **consistently fulfilled**. Validation should ensure accuracy, reliability and consistent intended performance, from design until demissioning of the system or transition to a new system
- Data management plan

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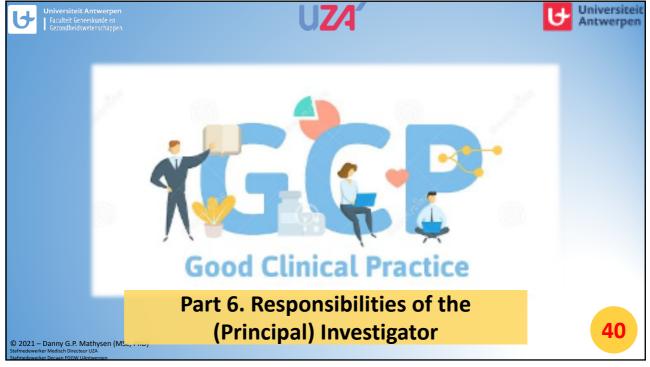


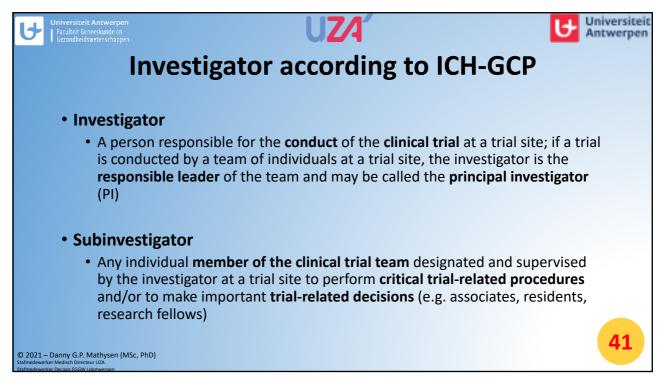


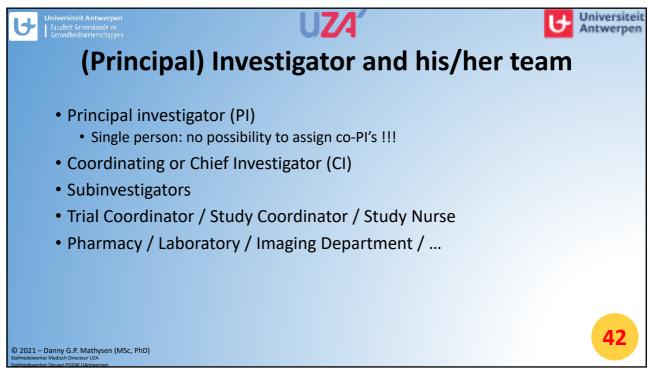






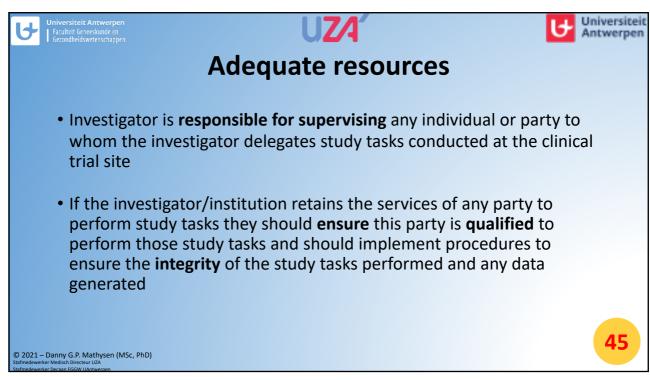


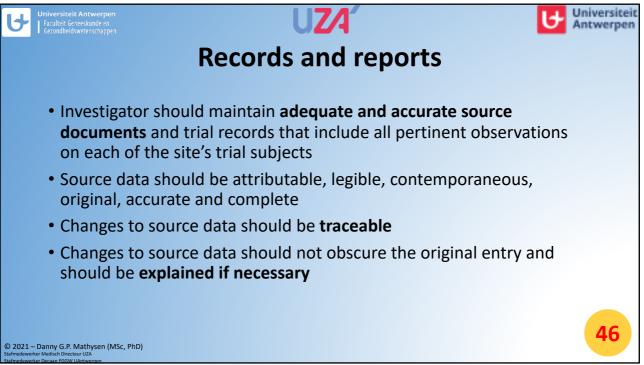


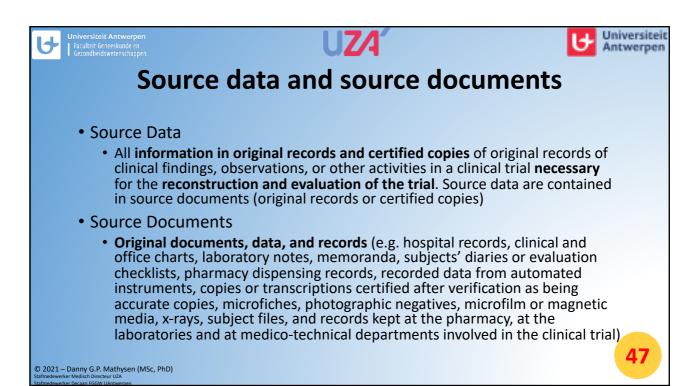




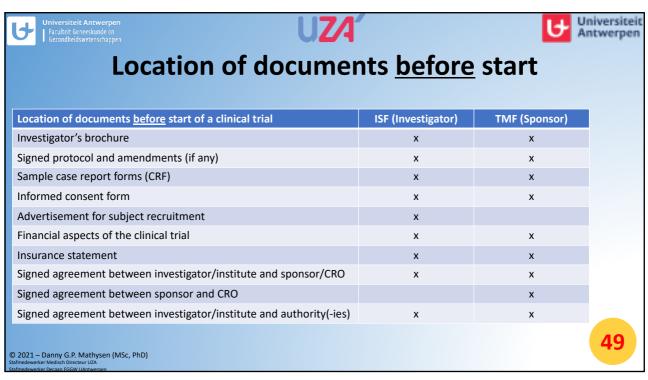


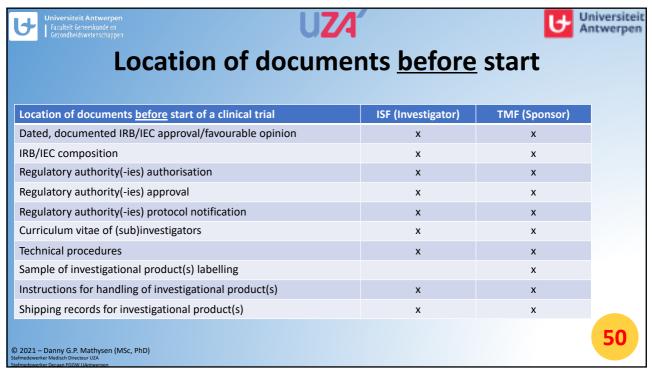


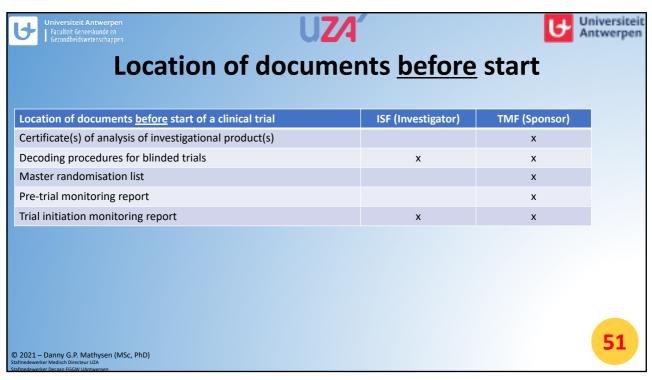


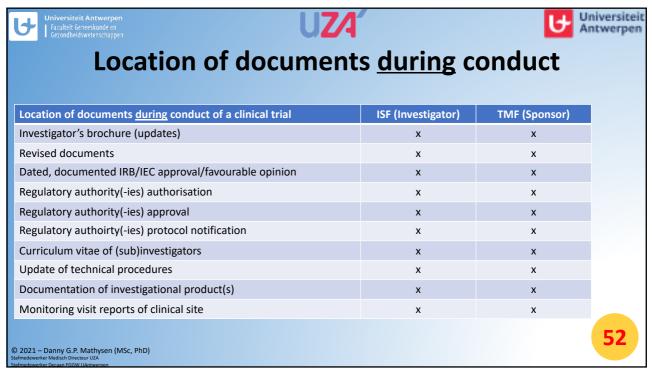


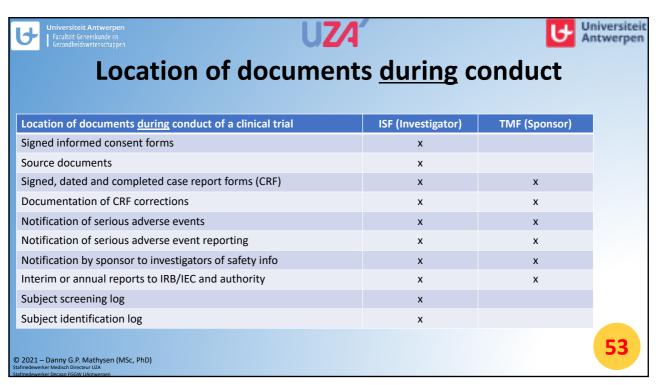


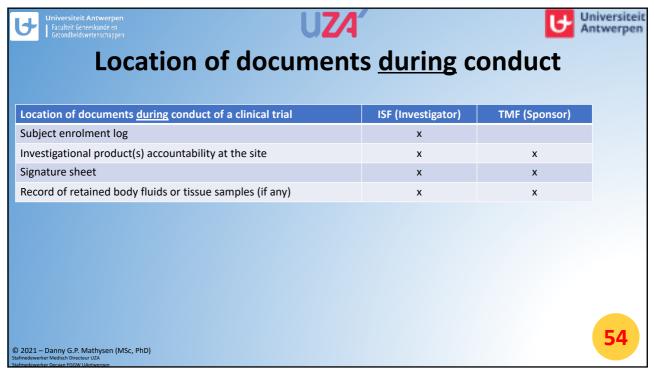


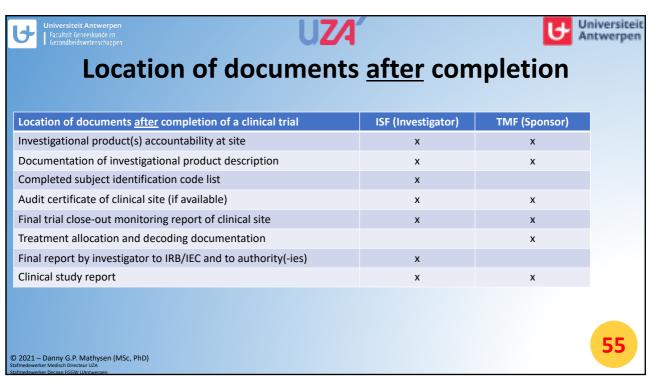


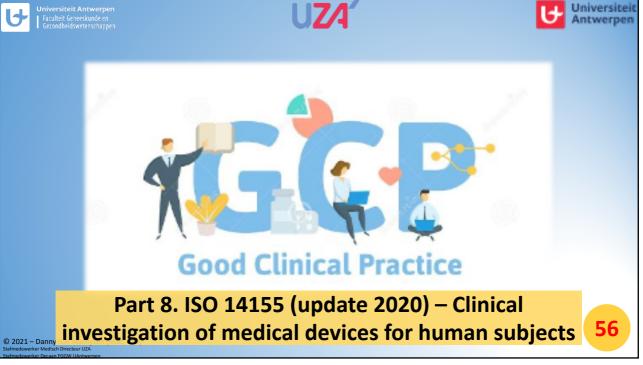


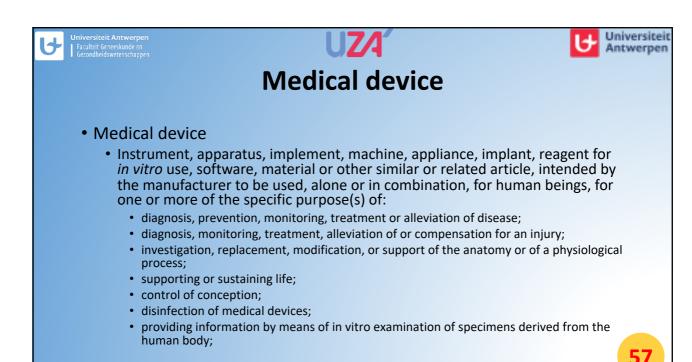












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