



LOCATION: London, UK and Online

Module Leader(s): Dr Helen Erwood and Jason Collins

Date:

DAY ONE:

Time	Activity	Speaker
	Registration and coffee	
	Housekeeping and Introduction	Helen Erwood and Jason Collins
	Overview of the regulatory environment MDR, IVDR and Notified Body changes	ESPL Regulatory
	Lecture 1: Principles of the Design and Development of Medical Devices:	Helen Erwood ESPL Regulatory
	<ul style="list-style-type: none"> An overview and introduction to the design and development "toolkit". The importance of ISO standards in device development (ISO13485 / ISO14971 / ISO10993 etc.) 	
	Refreshment Break	
	Case Study 1:	Jason Collins
	The Design and Development Target	ESPL Regulatory
	<ul style="list-style-type: none"> How the target product profile (TPP) fits into the design programme Relevance of the Essential Requirements checklist to design and development of a new device 	
	Lecture 2: Risk Assessment: what is it?	Helen Erwood
	<ul style="list-style-type: none"> A practical look at how this fits into device design and development 	ESPL Regulatory



DAY TWO: Date:

Time	Activity	Speaker
	Review of Day 1	Jason Collins ESPL Regulatory
	Lecture 3: The influence of materials in Medical Device Design	Helen Erwood / Chris Erwood Jason Collins
	Refreshment break	
	Lecture 4: Design Planning and Design Control <ul style="list-style-type: none"> INPUTS and OUTPUTS When should DESIGN CONTROL take effect?	Jonathon Bradshaw OOONO Medical A/S
	Interactive Session: Statistical Considerations in Medical Device Clinical Investigations	Andrew Mills Exploristics
	Lunch	
	Lecture 5: Rapid Prototyping – the Challenges of Designing and Testing Prototypes	Jonathon Bradshaw OOONO Medical A/S
	Interactive session: Packaging for Medical Devices <ul style="list-style-type: none"> Factors to consider in packaging design How packaging helps to maintain product integrity 	Helen Erwood ESPL Regulatory
	Refreshment Break	
	Lecture 6: Human factors and usability testing during development <ul style="list-style-type: none"> Human factors studies 	Greg Thay Thay Medical Limited
	Lecture 7: Diverging approaches to MD requirements – EEA and UK	
	Case study 2: Inputs, Outputs and Design Control	Jonathon Bradshaw Greg Thay Helen Erwood



DAY THREE

Date:

Introduction/overview of the day: Review of case study 2

**Helen Erwood
ESPL Regulatory**

Lecture 8: Certification: Documenting data to Support New Device files

- Reporting design and development data for regulatory assessment.
- Are requirements really different globally?

Jason Collins
ESPL Regulatory

Refreshment break

Lecture 9: Biological Assessments Relevant to Medical Devices

Stuart Freeman
Farino Consulting

Lecture 10: Notified Body Expectations

- Common Issues with design and development data

James Newman
BSI

LUNCH

Lecture 11: Sterilisation of Medical Devices:

The trials and tribulations of trying to sterilise the unsterilisable!

Helen Erwood
ESPL Consulting

Interactive session: Digital Health and Software

a different development approach and a look at machine learning

Chris Erwood
ESPL Consulting

Refreshment Break



Lecture 12: Post-marketing Design/Development Activities

- Clinical follow-up
- Life Cycle Management of device design: optimisation after launch

Case Study 3: Post-Marketing Design Changes Including Packaging and Sterilisation

Helen Erwood / Jason Collins
ESPL Regulatory

Close