

Preserving Innovation

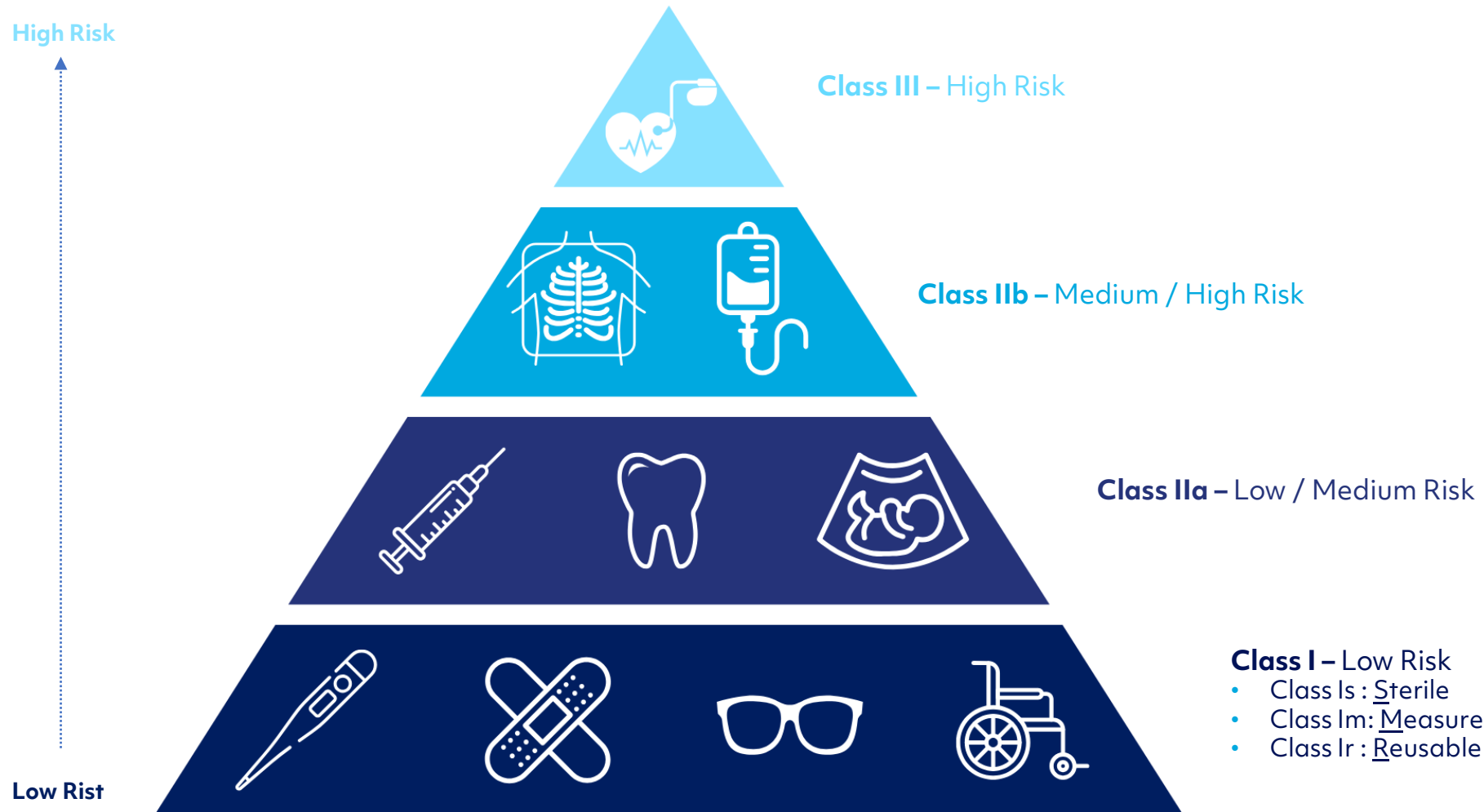
Strategic Sample Management for MedTech
Growth and Compliance

5th of June 2025
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BDM

**Regulation 7 of the Medical Devices
Regulations 2002 (SI 2002 No 618, as
amended)**

**Medical Devices Come in Many Shapes,
Sizes and Types...**

Types of Medical Devices - 6 Classes





Class I (s, m & r)

- Pose minimal potential for harm to the user
- Examples:
 - Sterile: Bandages, syringes without needles
 - Measure: Thermometers
 - Reusable: Elastic bandages, stethoscopes and orthopaedic shoes
- Lowest level of regulatory controls
- Have a low risk profile

Class IIa

- Short-term use
- Corrective contact lenses, standard hearing aids, TENS devices, dental fillings, surgical clamps
- Certified by a notified body
- Have a medium risk profile

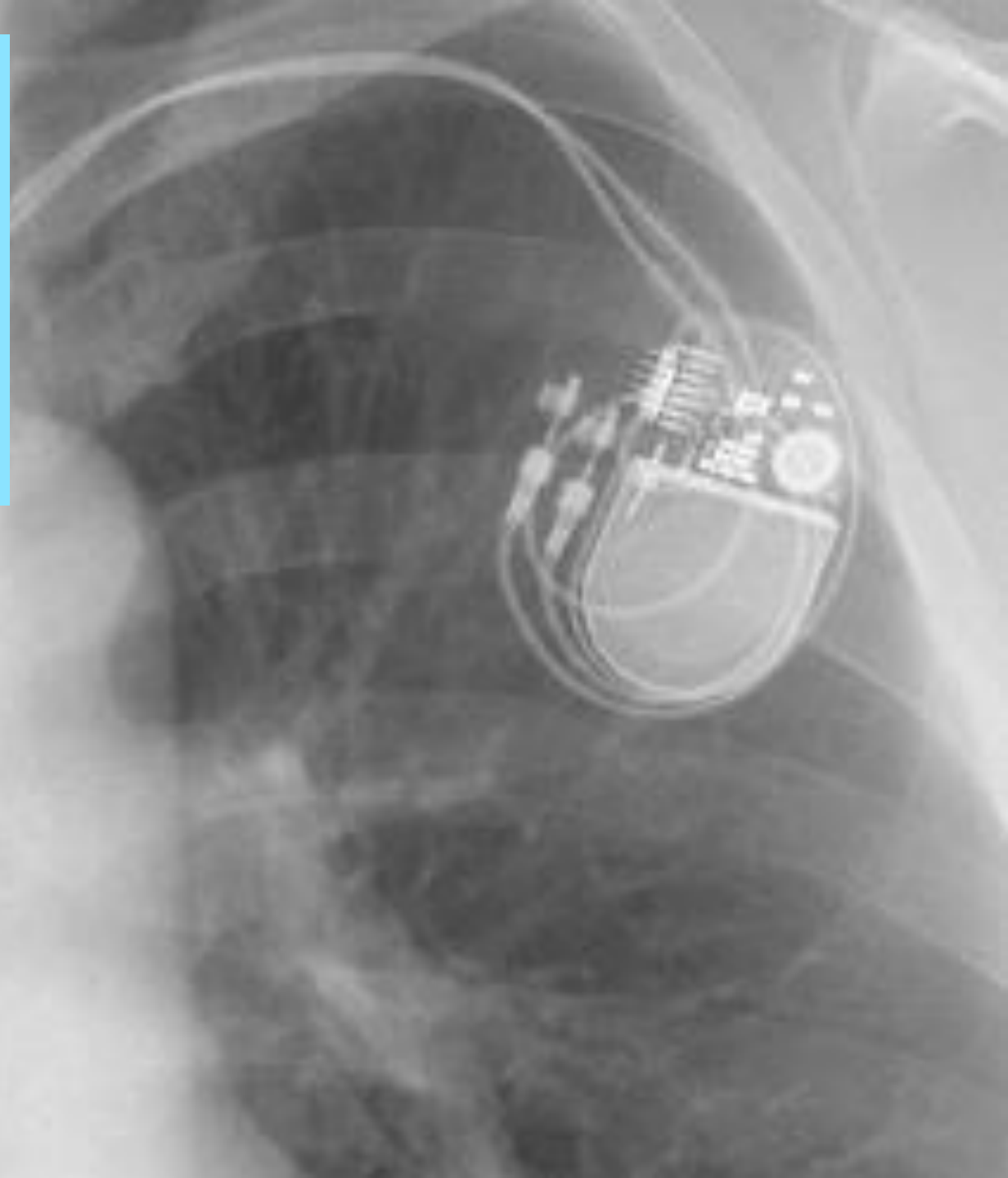
Class IIb

- Typically used for longer-term
- Apnoea monitors, ventilators, surgical lasers, diagnostic X-ray sources, surgical implants, bone-fixation plates
- Often require stringent regulatory scrutiny
- Must be certified by a Notified Body
- Include a conformity assessment procedure, technical documentation and EU declaration of conformity
- Have a medium to high risk profile



Class III

- Typically used for longer-term
- Pacemakers, implantable defibrillators, artificial heart valves, long term implantable (joint replacement), contraceptive IUD's devices containing medicinal substances
- Machinery important to patient health or sustaining life
- Undergo strictest level of regulatory scrutiny
- Notified Body must issue a conformity certificate before these devices can be placed on the market
- Highest risk profile





Class IIa



Class Im



Class III



**Class IIa
or IIb**



**Across the patient and product lifecycle,
medical devices**

**-whether implantable, wearable, or
diagnostic—**

**require robust storage and
traceability protocols**



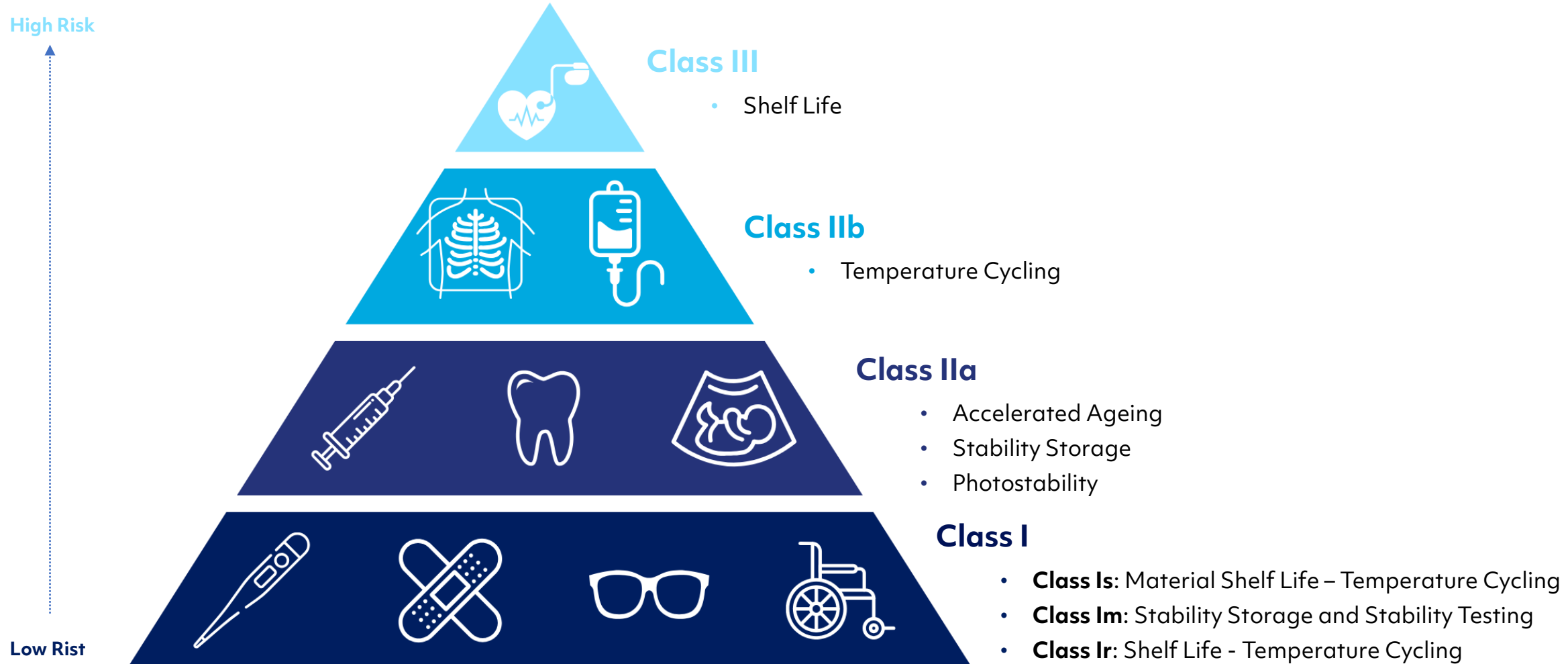
A photograph of two scientists, a woman and a man, standing in a laboratory. They are both wearing white lab coats and purple gloves. The woman is on the left, smiling, and the man is on the right, holding a small white box. They are standing in front of a large piece of laboratory equipment, possibly a cryostat, which is illuminated with a blue light. The background shows a typical laboratory setting with various pieces of equipment and a clean, professional environment.

Challenges & Risks

of R&D Sample Sustainability in the Medical Device Sector

- **Regulations:** complex and varying global regulatory requirements
- **Diverse sample types:** polymers, tissues, diagnostic reagents, and sensor materials all require tailored storage and monitoring strategies
- **Skilled personnel and certified storage facilities:** critical for ensuring proper documentation, chain of custody, and storage compliance
- **Sample handling and storage requirements:** depending on device classification and function
- **Packaging & transport:** improper conditions during sample transport can jeopardise the viability of materials
- **Stability data supporting regulatory submissions:** critical for product approval and distribution
- **Unforeseen disasters:** can destroy samples & delay research

Supporting Medical Devices



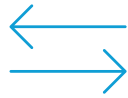
Our Success Stories

Orthopaedic Franchise

Stability Storage



Bone Cement

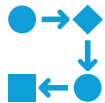


Changes in Medical
Device Directive



Not Enough
Capacity

Astoriom's Offer:



Business Continuity



Regulatory
Knowledge



Capacity



Our Success Stories

Leading Supplier of tubes and catheters



Accelerated Ageing



Medical Tubes and
Catheters

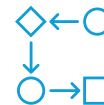


Changes in
Medical Device
Directive



No Capacity for
Specific
Temperature

Astoriom's Offer:



Business Continuity



Quick Response



Supply Data for
Medical
Submission -
MHRA

Safeguarding Samples Every Step of the Way

Visit us at **booth G58**

Thank you!
Wendy Cullen