

Surgical Innovations: Robotics and AI (moderator Pierre-Yves Strubaut)

| Topics presentation | Speakers | Organism | Country | Speaking |
|--|--|--|---------|----------|
| Welcome, chat, coffee | | | | |
| Introduction | Pierre-Yves Sturbaut R&D Manager | STRYKER (SERF) Lyon | FR | Eng |
| Robots tips and stricks : any future ? | Dr. Bertrand Semay Ortopedics Surgeon | Johnson & Johnson Clinical Research | FR | Eng |
| Pro and cons on robots | Dr. Claude Rieker Managing Director - Founder | Orthosave | CH | Eng |

Coffee break

AI in Development and Manufacturing of Implants (moderator Pr. Jérôme Pousin)

| | | | | |
|---|---|--|----|-----|
| Patient-specific models for diagnosis, intervention and therapy | Dr.-Ing. Elin Theilen Principal Scientist & Senior Product Manager | Fraunhofer Institute for Digital Medicine | D | Eng |
| Robotics data management | Adam Henderson | ZIMMER - BIOMET | CH | Eng |
| AI : regulatory news | Claire Picard Certification Project Manager & Product Reviewer | GMED | FR | Eng |
| AI : An example of application in spine implants | Gael Volpi CEO - Founder | Spine DynamiX | FR | Eng |

Lunch

Ecological Constraints in Implants (Dr. Daniel Delfosse)

| | | | | |
|---|---|----------------|----|-----|
| Eco development in implants and instruments manufacturing | Daniel Delfosse Vice Director, Head of Regulation & Innovation | SWISS MEDTECH | CH | Eng |
| Green oils for implants machining | | BLASER | CH | Eng |
| The historical background of green developments in washing agents for implants and instruments cleaning | Patrick J. DUCHI Worldwide Senior Cleaning Expert | INVENTEC-DEHON | CH | Eng |

Coffee break

Strategic Raw Materials and Economics (moderator Pr. Jérôme Pousin)

| | | | | |
|--|-----------------------------|--|----|-----|
| Value supply chain of raw materials for implants and instruments manufacturing | | BRGM/OFREMI | FR | Eng |
| Worldwide needs, capacities and cost of implantable raw materials | Olivier Vidal | ISTerre | FR | Eng |
| Mine & metallurgy of strategic materials | | Alliance Minerais, Minéraux, Métaux | FR | Eng |
| Worldwide Orthopedic market & technology 2030 Outlook and key trends | Ali Madani CEO - Founder | AVICENNE Paris | FR | Eng |

Innovations in 3D Technologies (moderator Pr. Sylvain Hugon)

| Topics presentation | Speakers | Organism | Country | Speaking |
|--|---|--------------|---------|----------|
| Design thinking of orthopaedics implants | Didier Guillon Cottard Founder | Wimplulse | FR | Eng |
| Lithography base Metal Manufacturing (LLM) in orthopaedics | Denise Modder Head of Application Engineer | Incus | AU | Eng |
| How to finish your 3D printed implants ? | Martin Jay CEO - Founder | Politechnico | FR | Eng |
| Business market access limitations of 3D implants | Claude Rieker Managing Director - Founder | Orthosave | CH | Eng |
| Use case of surgical 3D printed implants | | 0 | 0 | Eng |
| Round table discussion | Pr. Sylvain Hugon Professor | HEIG-VD | CH | Eng |

Coffee break

Ecological Constraints in Implants (Dr. Daniel Delfosse)

| | | | | |
|--|--|-----------------------------|----|-----|
| cartilage – all you must know about it before to replace it | Pr. Laurent Obert Orthopaedics Surgery Professor | CHU de Besançon | FR | Eng |
| Orthobiology: toward the new generation of implant materials | Dr. Christopher Leon-Valdivieso Bioprinting Research Engineer | CARTIGEN CHU Montpellier | FR | Eng |
| | | | | |

Lunch break

Technological Innovation (Pr. Sylvain Hugon)

| | | | | |
|---|--|-----------------------------|-----|-----|
| Ceramic injection moulding for the manufacture of implants using the example of dental implants | Dr.-Ing. Sabine Begand Head of Department Oxide Ceramics | Fraunhofer-Institut IKTS | 0 | Eng |
| Avoiding peri-implantitis through coating on dental implants | | Sao Paulo University | BRE | Eng |
| New analysis of grain size in implantable alloys | | RMS | CH | Eng |
| Machining of 3d printed components under CO2 | René Benninger Business Development Manager MedTech & Product Manager | BUMOTEC STARAG GROUP | CH | Eng |
| Machining by laser | Philippe Chavanne Sales Manager | SABATO GROUP | CH | Eng |