- Created 1979
- 75 members
- www.belsect.be
Goals?

• Promotion and recognition of our profession
• Link with EBCP
  => certification / recertification process
• EBCP accreditation of the perfusion schools/5y
• Perfusion training and education
  => Educational evenings:
  => to create links between professionals => 5 x / y
  or 3 x + 1 symposium / 2y
Organization

- **Board**: Chair: Eddy Vandezande / Vice Chair: ? / Treasurer: Luc Puis / Secretaries: Jesse Wouters (Dutch) and Jean-Noël Koch (French)

- **Committees**:
  - **Communication Committee**: Coordinator: Jesse Wouters / Website: Mathias Allegaert / Newsletter: Emmanuel Devolder / Luc Puis
  - **Educational Evening Organizing Committee**: Coordinator: Korneel Vandewiele / Hendrik Bernolet / Luc Puis / Kenny Van Zwam
  - **Governmental Committee**: Coordinator: Filip De Somer / André Gruslin / Leen Vercaemst / Albert De Bakker / Dominique Hella
  - **Education and Training Committee**: Coordinator: Dominique Hella (EBCP delegate) / Leen Vercaemst / Albert De Bakker / André Gruslin / Gerdy Debeuckelaere
  - **Symposium Organizing Committee**: Coordinator: Luc Puis / Emmanuel Devolder / Kenny Van Zwam / Korneel Vandewiele
Philosophy of our Profession

- ECC in cardiac surgery and other
- Blood gas monitoring
- Coagulation monitoring
- Blood salvage
- ECMO/ECLS with follow up
- Assist devices and VAD coordination
- Transplantation: liver and heart
- Oncology: HIPEC / Limb perfusion / High frequency
- Organ perfusion
- Database management
- Research
- Teaching
Singularity of our 2 countries

- Small countries
- Different languages
Number of perfusionists in European countries
Number of ECC in European countries

Iceland
250

8
12000
17000
84000
7000
4000
6500
45000
3000
6500
8500
4500
2500
2500
450
6950
400
7000

70000
Number of cardiac centers in European countries
Number of ECC/perfusionist

Iceland
83
In the European countries that answered:

- 2348 perfusionists doing 297 050 cases/year
- 126 cases/perfusionist in 577 centers
- +/- 4 perfusionists/center

**Total average**

Probably about 3500 perfusionists doing +/- 450 000 cases/year in about 800 centers / 5M inhabitants

=> 128 cases/perf/y and +/- 4.4 perf/center
Cardiac Centers in Belgium:

- 28 hospitals
- 98 active perfusionists
- 12343 cases / year (BACTS source 2011)

- Legally: min 250 cases/year/hospital
- Legally: min 2 perfusionists/hospital or/ operating room
ZOL Campus Sint Jan  Schiepse Bos 6, 3600 Genk  www.zol.be

ZNA Middelheim  Lindendreef 1, 2020 Antwerpen  www.zna.be

Universitair Ziekenhuis Brussel Campus Jette  Laarbeeklaan 101, 1090 Brussel  www.uzbrussel.be

Universitair Ziekenhuis Antwerpen  Wilrijkstraat 10, 2610 Antwerpen  www.uza.be

UZ Leuven  Herestraat 49, 3000 Leuven  www.uzleuven.be

UZ Gent  De Pintelaan 185, 9000 Gent  www.uzgent.be

OLV Ziekenhuis Aalst  Moorselbaan 164, 9300 Aalst  www.olvz.be

Jessaziekenhuis campus Virga-Jesse  Stadsomvaart 11, 3500 Hasselt  www.jessazh.be

Imeldaziekenhuis  Imeldalaan 9, 2820 Bonheiden  www.imelda.be

Hôpital de Jolimont-Lobbes  Rue Ferrer 159, 7100 La Louvière  www.entreprise-jolimontoise.be

HUDERF  Jean-Joseph Croqclaan 15, 1020 Brussel  www.huderf.be

GHDC Saint Joseph  Rue de la Duchère 6, 6060 Gilly  www.ghdc.be

Cliniques Universitaires Saint-Luc  Avenue Hippocrate 10, 1200 Bruxelles  www.saintluc.be

Clinique de l'Europe St. Elisabeth  Avenue De Frélaan 206, 1180 Uccle  www.cliniquesdeleurope.be

Clinique Saint Luc (Bouge)  Rue Saint-Luc 8, 5004 Bouge  www.st-luc-bouge.be
Clinique Saint Jean  Kruidtuinlaan 32, 1000 Brussel  www.clinique-saint-jean.be

CUB ULB Hôpital Erasme  Route De Lennik 808, 1070 Bruxelles  www.erasme.ulb.ac.be

CHU du Sart Tilman  Domaine Universitaire du Sart Tilman B35, 4000 Liège  www.chuliege.be

CHU de Charleroi  Boulevard Zoe Drion 2, 6000 Charleroi  www.chu-charleroi.be

CHU Tivoli  Avenue Max Buset 34, 7100 La Louvière  www.chu-tivoli.be

CHU Saint Pierre  Hoogstraat 332, 1000 Bruxelles  www.stpierre-bru.be

CHU Mont Godinne  Avenue Docteur Gaston-Therasse 1, 5530 Yvoir  www.uclmontgodinne.be

CHU Brugmann  Place Van Gehuchten 4, 1020 Brussel  www.chu-brugmann.be

CHR de Namur  Avenue Albert 1er 185, 5000 Namur  www.chn.be

CHR Citadelle  Boulevard du 12ème de Ligne 1, 4000 Liège  www.chrcitadelle.be

AZ Sint Jan  Ruddershove 10, 8000 Brugge  www.azsintjan.be

AZ Maria Middelares  Kortrijksesteenweg 1026, 9000 Gent  www.azmmsj.be

AZ Delta  Wilgenstraat 2, 8080 Roeselare  www.azdelta.be

ASZ Aalst  Merestraat 80, 9300 Aalst  www.asz.be
Belgian Perfusionists

- 98 active perfusionists / 75 Belsect members
- 14 students
- 65 ECCP (2/3)
- 33 active without any certification (1/3)
Number of cases

• About 12000 cases / year in 28 centers

• No proportional repartition:

  • 6 centers > 800 cases
  • 10 centers 400 => 800 cases
  • 8 centers 200 => 400 cases
  • 4 centers 40 => 200 cases => must disappear?
Perfusion Training in Belgium

- Two Perfusion Schools:
  1. Katholieke Universiteit Leuven (Flemish speaking part)
  2. Université de Liège (French speaking part)
1986 : PSL / Perfusion School Leuven - KUL

• Theoretical training = 40 ECTS
• Practical training + paper presentation = 40 ECTS
• => 80 ECTS => Certificate of Competence validated by dean of Faculty of Medicine KUL
• New Master impossible to create (nb of Masters fixed + small nb of potential students)
• Master in Nursing at KUL + 40 ECTS Perfusion
• Opportunities for specialties and troubleshooting training on Perfusion simulator (Orpheus)
Perfusion School Leuven:
Requirements for completion of practical training/40ECTS at PSL

≥ 1200 training hrs
≥ 40 supervised well conducted ECC’s as primary perfusionist
(all scores ≥ 6)
Orpheus Perfusion Simulator ≥ 5 contacts:
  Demonstration of competence in basic perfusion techniques
  Introduction to different ECC set-ups and protocols
  Demonstration of competence in troubleshooting
Complete & well documented EBCP logbook
Written positive evaluation of all aspects by responsible perfusionist (ECCP) in training center
1992: ULG Faculty of Medicine

« Certificat de compétences en circulation extracorporelle »
= Certificate of Competencie validated by dean of Faculty of Medicine ULg
Formation continue

Faculté de Médecine

Certificat d'université en perfusion et techniques appliquées

Structure des études

Informations complémentaires http://progcours.ulg.ac.be/cocoon/programmes/TUR_MYCPER.html
The University Certificate

- Short cycle (60 ECTS)
- Compatible with professional activity
- Shorten fees (495 €)
- Specific courses with the same requirements than Master

- Limited to Perfusion
- Practical training not complete
2008: School of Public Health
Faculty of Medicine, ULg

=> Master in Public Health, Perfusion option
Faculté de Médecine

Master en sciences de la santé publique

Structure des études

Master en 2 ans (120 crédits)

http://progcours.ulg.ac.be/cocoon/programmes/TUR_MMSANPU.html
The Master Degree

- Official University diploma
- More value in different fields
- Access to PhD

- Difficult to follow with full time job activity
  (60 ECTS/y => total = 120)
- Full fees +/- 850 € / y
- Workload
- Low Practical training => needs more practics to enter the profession
2015: Master Critically-ill patient, Perfusion option « Landscape decree »

Master in Public Health

Intensive Care in Public Health

Specialized Finality
Critically ill-Patient

Intensive Care and Emergency

Perfusion option
Simulation as a tool for our education

Already in place in PSLeuven, coming soon in Liège
How to carry a training programme in Perfusion?

- Will and tenacity of Perfusionists => initiation of the programme with help of academic people
- Teachers = also Perfusionists
- Cardiac Surgeons and Anesthesiologists must support the programme and be involved in teaching
- Institutions must recognize the specificity of their perfusionists
- Contact with political world in second intention
RECOGNITION?

- 1979 BelSECT
- 1986 PSLeuven / 1990 June AR: perfusion = nurse’s act
- 1991 Creation of the EBCP => push for creation of schools
- 1992 ULg «Certificat de Compétence en Perfusion »
- 1999 AR June 16: Normative framework of Cardiac Surgery Centers
- 2001 First EBCP accreditation of the 2 Belgian schools
- 2006 Official title of « Nurses specialized as perfusionists »
  EBCP reaccreditation of the 2 schools
- 2008 Master Degree (ULg)
- 2011 EBCP reaccreditation of the 2 schools
- 2015 « Landscape Decree »=> fusion of ICU and Perfusion (2 options in the Master Degree ULg)

Visit of Belsect to the Ministry of Health: waiting for an answer about our profession
Belgium is not just Beer, Fries and Chocolates

• Open mind and humble people
• Find always compromise
• Real professionals