

Lille Exchange Program

Children's Hospital, Lille University Hospital (one week visit)

Candidates: junior and senior doctors

Concerning working group: rare digestive diseases, esophagus and diaphragmatic hernia.

The University Hospital of Lille treats 7% to 8% of the French population. Its activity is divided by departments including maternity wards, pediatric surgery, all pediatric subspecialties, and a pediatric clinical investigation center. Lille Hospital includes three national reference centres officially appointed by the French Ministry of Health working on abdominal and thoracic rare diseases : one on rare esophageal diseases CRACMO, one on Congenital Diaphragmatic Hernia CDH and one on rare digestive disease. These reference centres are members of a national rare disease network called FIMATHO which is also located in Lille university hospital. The role of the network is to coordinate actions between the different stakeholders involved in the inherited and congenital anomalies. In addition, the hospital is certified as one of the 5 pediatric home parenteral nutrition programs in France.

Since 2006, CRACMO coordinated a network including all the French hospitals taking care of children with rare esophageal diseases. CRACMO set up various documents for families and healthcare professionals as well as for national health authorities including patient pathway (PNDS in 2008), documents for emergency cares for Orphanet, as well as several documents and activities with the family support group AFAO. CRACMO also started a population base registry recording prospectively (since 2008) all new borns in France and oversea born with esophageal atresia (EA). It also performed several research programs both clinical research and preclinical including bio-engineering and social and human sciences. More than 50 expertises are given every year for difficult and/or complicated cases. CRACMO is a co-founder of the international network on esophageal atresia since 2013 which is a multidisciplinary professional group aiming to promote best care research and dissemination of information.

The CDH Lille network has been created in 2007 and is part of the national CDH network which is composed of 3 complementary and highly connected centers. The expertise of Lille Center is more specifically dedicated to the postnatal medical management. Lille Center is involved in research in CDH-related Persistent pulmonary hypertension (PPHN). A large animal model (fetal sheep) has been implemented in the Department of experimental research connected to the Lille reference center. New therapeutic strategies have been tested (norepinephrine, treprostinil, omega 3) in the animal and then applied in newborn with CDH. Innovative management protocol has been implemented and accredited by the national health agency. A national registry is ongoing including the main information of the infants with CDH in France. Lille Center is member of the CDH Euro-Consortium.

Since 2017, Lille hospital is part of the national rare digestive disease. The pediatric department is highly specialized in surgical and nutritional care of children with rare and severe intestinal diseases including a home parenteral nutrition program, and educational program for transition in adolescents with inflammatory bowel disease.

Different programs are available for one-week visit in Lille including multidisciplinary rounds on wards and intensive care units, interdisciplinary meetings (with pediatric gastroenterologists, pediatric pulmonologists, pediatric surgeons, neonatologists, speech therapists, and psychologists), surgeries and endoscopic and digestive motility procedures and follow-up visits in outpatient clinics. Daily schedules depend on individual programs. French language is preferred but translations in English can be proposed.

Example program:

Monday	: 08:00 - 10:00 hr	General visit - patient pathway Neonatal ICU, pediatric and surgical department, outpatient clinic, pediatric functional exploration
	10:00 - 13:00 hr	Gastroenterology pediatric round
	14:00 – 15:00 hr	Eating disorders – therapeutic education
	15:00 - 16:00 hr	Gastroenterology MDM (MDM= multidisciplinary meeting)
Tuesday	: 09:00 - 10:00 hr	Digestive manometry and endoscopy suite visit
	10:00 - 13:00 hr	Prenatal MDM
	14:00 – 16:00 hr	Home-parenteral nutrition outpatient consultation
	16:00 – 18:00 hr	Oesophageal diseases MDM
Wednesday	: 08:00 - 13:00 hr	Paediatric Surgery (theatre)
	14:00 – 17:00 hr	Patient with oesophageal diseases - multidisciplinary consultation
Thursday	: 08:00 – 13:00 hr	Endoscopic procedures
	14:00 – 16:00 hr	Diaphragmatic Hernia outpatient consultation
Friday	: 08:00 – 09:00 hr	Paediatric clinical investigational center visit
	09:00 – 10:00 hr	Oesophageal Atresia Registry
	10:00 – 16:00 hr	Optional program for specific trainee/guest

Optional program: a shorter 2 days visit can be organized for senior doctor more interested focused on specific aims