Additional training in orthopaedic spine surgery in adults and children

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Program description

Spine surgery is a very specific field within orthopaedic surgery that is in constant evolution. Spine surgery relates to several pathologies, including scoliosis, spondylolisthesis, degenerative diseases, neoplastic lesions and spinal injuries.

This minimum 12-month program covers all paediatric and adult spine pathologies. The training takes place in hospital facilities affiliated with Université de Montréal, Hôpital du Sacré-Cœur de Montréal, the Centre hospitalier de l'Université de Montréal (CHUM) (adults) and CHU Sainte-Justine (paediatric). The training involves: 1) minimally invasive scoliosis surgery (vertebral body tethering); 2) adult and paediatric spine deformity; 3) adult degenerative spine surgery; 4) spinal injury; and 5) spine oncology.

During the training, students will have to demonstrate that they have the competencies, skills and attitudes necessary to manage patients suffering from spine pathologies and injuries. They will also have teaching responsibilities with residents in the Édouard-Samson Orthopaedics Program at Université de Montréal, and will develop scientific research skills and competencies. The students in the program will be trained within teams of spine surgeons with internationally recognized clinical, teaching and research expertise. The CHU Sainte-Justine is the main paediatric institution in the province and the leading referral centre for assessing and treating spine deformities. Hôpital du Sacré-Cœur de Montréal is the largest hospital in Québec designated a centre of excellence in orthopaedics and traumatology. The CHUM is the largest university hospital centre in Québec with leading expertise in spine oncology. The CHUM is also the only centre that performs minimally invasive spine surgery.