

Supervisor List 2022

Name	Division	Email	Phone	Research Topics
ABOU MEHRAM, Ayman	Neonatology	ayman.aboumehrem@ahs.ca	403-944-3699	<ul style="list-style-type: none"> • Neonatal airway management: We have a strong database of all intubations in the NICU and we are part of the National Emergency Airway Registry for Neonates (NEAR4NEOS @ www.near4neos.org) which is a rich international database for neonatal airway management. • Bronchopulmonary dysplasia prevention and management. • Epidemiological research and quality improvement in preterm infants using the Canadian Neonatal Network (CNN @ www.canadianneonatalnetwork.org) which a pan-Canadian database for all tertiary care NICUs in Canada. • QI Education: improving QI education for frontline healthcare providers using standardized methods such as evidence-based practices for improving quality (EPIQ). • Health Informatics: using electronic medical record data to predict outcomes and improve quality of care.
GREENWAY, Steven	Pediatric Cardiology	steven.greenway@ahs.ca	403-955-5049	<ul style="list-style-type: none"> • Metabolic cardiomyopathy
HAGEL, Brent	Research Methods Team	brent.hagel@ahs.ca	403-955-7403	<ul style="list-style-type: none"> • Child and adolescent injury prevention • Built environment and child/adolescent active transportation (walking/biking) safety
HO, Josephine	Pediatric Endocrinology	josephine.ho@ahs.ca	403-955-7819	<ul style="list-style-type: none"> • Management in type 1 diabetes • Prevention of DM2 (obesity prevention) • Metabolic syndrome in chronic disease • Management in type 1 diabetes, management in type 2 diabetes, childhood obesity, metabolic syndrome in chronic disease, endocrine late effects in oncology
HUANG, Carol	Pediatric Endocrinology	carol.huang@ahs.ca	403-210-3977	<ul style="list-style-type: none"> • Clinical projects on diabetes and endocrine patients
KELLNER, Jim	Pediatric Infectious Disease	jim.kellner@ahs.ca	403-955-7802	<ul style="list-style-type: none"> • Epidemiology and prevention of pneumococcal infections • Vaccine preventable infections • General issues in Pediatric Infectious Diseases • COVID-19
LANG, Eddy	Emergency Medicine	eddy.lang@ahs.ca	403-944-4584	<ul style="list-style-type: none"> • Knowledge Translation • Computerized physician order entry • Venous thromboembolism • Emergency department operations (overcrowding) • Clinical decision support systems and clinical practice guidelines • Pandemic studies • Overdiagnosis/low value care <p>https://pubmed.ncbi.nlm.nih.gov/?term=Eddy+Lang&sort=date</p>
LODHA, Abhay	Neonatology	abhay.lodha@ahs.ca	403-944-8163	<p>Newborn medicine: especially</p> <ul style="list-style-type: none"> • Newborns: short term and long term outcomes • Perinatal Health outcomes • Systematic reviews • Broncho pulmonary dysplasia (Chronic lung disease) • Necrotizing enterocolitis • Perinatal Epidemiology
MAH, Jean	Pediatric Neurology	jean.mah@ahs.ca	403-955-7817	<ul style="list-style-type: none"> • Early intervention and promotion of healthy lifestyle in children and youth. • Promotion of family-centered care and more effective health services utilization among pediatric neurosciences patients • Clinical trials in pediatric neuromuscular diseases and multiple sclerosis • Health-related quality of life in children with chronic diseases • Role of complementary and alternative therapies in pediatrics • Current: Research Topics are primarily on natural history study and clinical trials related to Pediatric neuromuscular diseases and acquired demyelinating diseases
SCHMELING, Heinrike	Rheumatology	heinrike.schmeling@ahs.ca	403-955-7771	<ul style="list-style-type: none"> • Outcomes of autoimmune diseases (childhood arthritis, juvenile dermatomyositis), pharmacogenetics, translational research, registry research • Personalized medicine • QI

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SORASHAM, Amouchou	Neonatology	amouchou.sorasham@ahs.ca	403-944-1615	<ul style="list-style-type: none"> • Neonatal resuscitation and outcome • Chorioamnionitis and brain injury • Cardiovascular effect of perinatal asphyxia • Perinatal epidemiology • Neonatal Health Outcome • Health service delivery • " Neonatal hemodynamics"
STEELE, Macgregor	Hematology	macgregor.steele@ahs.ca	403-955-3038	<p>General Hematology – Iron deficiency</p> <ul style="list-style-type: none"> • Patterns of microcytic/iron deficiency anemia in Calgary (idea to access Calgary Lab Services to point prevalence of Fe def anemia in those under 18) • Compare hematologic response of children placed on regular iron preparations vs polysaccharide iron (FERAmox - a frequently prescribed iron complex with very little scientific evidence for efficacy) (prospective or retrospective review linking prescriptions to heme labs) • Usage patterns and effectiveness of IV iron in Pediatric patients (perhaps focus on GI or other frequent users) <p>Cytopenias</p> <ul style="list-style-type: none"> • Develop and implement a common care pathway for ITP – First stage could be review of current management of ITP children at ACH in past 5 years by ED, Gen Peds and Hematology (QA/QI) • Review of upfront management of autoimmune hemolytic anemia at ACH and Stollery then follow up with Canada/N America survey (first step in developing protocol) • Management of fever and outcome in non-oncology fever neutropenia patients <p>Bleeding Disorders</p> <ul style="list-style-type: none"> • Review of menorrhagia presentations < 18 to ED and frequency of hematology referral and/or bleeding disorder screening. • Screening for bleeding disorders in a Ped Gynecology clinic and does implementation of a self-administered bleeding questionnaire increase screening and diagnosis of bleeding disorder? • Does routine ultrasound detect joint bleeding in hemophilia patients? (retrospective review of ultrasound joints with comparison to clinical assessment of PT and MD) • What are the patterns, appropriateness, and impact of pre-operative coagulation screening at ACH (could be multi step QI project) • What do patients and families remember after a Bleeding Disorder Clinic visit? (phase one of initiating a clinic improvement process) • Assess joint and muscle bleed assessment skill in pediatric hematologists and trainees and develop and implement an educational tool to improve and systematize • Assess impact of an ED flagging system on time to factor replacement in bleeding disorder patients. <p>Sickle cell/Thalassemia</p> <ul style="list-style-type: none"> • QA review of ED process for sickle cell patients (time to first pain med, pain scale etc.) <p>Marrow failure</p> <ul style="list-style-type: none"> • Where are all the marrow failure patients? A review of institutional or provincial diagnoses of Fanconi Anemia, Dyskeratosis Congenita, and Schwachman Diamond. • Pediatric Aplastic Anemia in Alberta : survey of incidence, management and outcome. <p>Thrombosis</p> <ul style="list-style-type: none"> • Review of use of anticoagulant (prophylaxis) in hospital inpatients- patterns of use, complications, relation with Hematology service consultations. • Review patterns (incidence, time to detection, etc) CVC thrombosis pattern of ACH inpatients • Neonatal clot incidence compare Calgary to Edmonton
THOMPSON, Graham	Pediatric Emergency	graham.thompson@ahs.ca	403-955-7295	<ul style="list-style-type: none"> • pediatric emergency medicine • pediatric sepsis - diagnosis and management • pediatric appendicitis - diagnosis and management • precision medicine for diagnosis in pediatric emergency medicine
TWILT, Marinka	Pediatric Rheumatology	marinka.twilt@ahs.ca	403-955-7480	<ul style="list-style-type: none"> • Juvenile idiopathic arthritis <ul style="list-style-type: none"> o 3D imaging study o Condylar disk in JIA; role in diagnosis and treatment o Long-term follow-up in adult care • Autoinflammatory conditions <ul style="list-style-type: none"> o Genetic testing autoinflammatory success rate o Colchicine response in autoinflammatory diseases not yet defined
VEALE, Pam	Developmental Peds	pamela.veale@ahs.ca	403-955-5912	<ul style="list-style-type: none"> • Medical Education • Developmental Pediatrics