

### XIII. Block Diagrams

	Year 1 (General Thoracic Track Fellow)				
Period	4 months	4 months	½ month	1.5 months	2 months
Site	MDACC	Hermann	MDACC	SEM	MDACC
Service	General Thoracic	Cardiac	Interventional pulmonology	General Thoracic	General Thoracic
Inpt/Outpt	I/O	I/O	O	I/O	I/O
Exposure	<p>All aspects of general thoracic surgery with emphasis on diagnostic and staging evaluation, preoperative cardiopulmonary assessment, multidisciplinary treatment planning, incisions, anatomy, and postoperative care. Clinical exposure includes all malignant diseases of the lung, esophagus, mediastinum, chest wall, great vessels, and the heart. Exposure to benign esophageal abnormalities (including but not limited to strictures, Barrett's esophagus, perforations, etc) and inflammatory disease.</p>	<p>All aspects of adult cardiac with increased exposure to heart and lung transplantation and mechanical assist devices. Surgical emphasis on valvular and revascularization as well as in transplantation. Additional exposure to arrhythmia surgery (Dr Byers) and also to endovascular aortic surgery. Increased chief level responsibilities in all areas.</p> <p>Exposure to benign and malignant general thoracic surgery. Clinical cases include benign and malignant diseases of the lung, benign and malignant diseases of the esophagus, minor esophageal and pulmonary trauma.</p> <p>Exposure to cardiac and thoracic trauma</p>	<p>Adult bronchoscopy, both flexible and rigid. Interventions including stenting, tumor ablation, and endoscopic ultrasound.</p> <p>Pleuroscopy and pleural effusion management including pleural catheter placement.</p>	<p>Exposure to benign esophageal abnormalities (including, but not limited to strictures, Barrett's esophagus perforations, etc.) and inflammatory disease</p>	<p>All aspects of general thoracic surgery with emphasis on diagnostic and staging evaluation, preoperative cardiopulmonary assessment, multidisciplinary treatment planning, incisions, anatomy, and postoperative care. Clinical exposure includes all malignant diseases of the lung, esophagus, mediastinum, chest wall, great vessels, and the heart. Exposure to benign esophageal abnormalities (including but not limited to strictures, Barrett's esophagus, perforations, etc) and inflammatory disease.</p>

<b>Year 2 (General Thoracic Track Fellow)</b>			
Period	3.5 months	3.5 months	5 months
Site	MDACC	HERMANN	MDACC
Service	General Thoracic	Adult Cardiac and Thoracic	General Thoracic
Inpt/Outpt	I/O	I/O	I/O
Exposure	Continuation exposure with chief level responsibilities. Increased operative responsibility in a graded fashion based on staff assessment of performance. Increased case complexity including Pancoast resections, complex mediastinal and cardiac tumors, and bronchoplastic/tracheal procedures	All aspects of adult cardiac with increased exposure to heart and lung transplantation and mechanical assist devices. Surgical emphasis on valvular and revascularization as well as in transplantation. Additional exposure to arrhythmia surgery (Dr Byers) and also to endovascular aortic surgery. Increased chief level responsibilities in all areas. Exposure to benign and malignant general thoracic surgery. Clinical cases include benign and malignant diseases of the lung, benign and malignant diseases of the esophagus, minor esophageal and pulmonary trauma. Exposure to cardiac and thoracic trauma Exposure to congenital pediatric and adult cardiac surgery.	Continuation exposure with chief level responsibilities. Increased operative responsibility in a graded fashion based on staff assessment of performance. Increased case complexity including Pancoast resections, complex mediastinal and cardiac tumors, and bronchoplastic/tracheal procedures

<b>Year 1 (Cardiac Track Fellow)</b>			
Period	4 months	4 months	4 months
Site	HERMANN	MDACC	HERMANN
Service	Adult Cardiac and Thoracic	General Thoracic	Adult Cardiac and Thoracic
Inpt/Outpt	I/O	I/O	I/O
Exposure	<p>All aspects of adult cardiac with increased exposure to heart and lung transplantation and mechanical assist devices. Surgical emphasis on valvular and revascularization as well as in transplantation. Additional exposure to arrhythmia surgery (Dr Byers) and also to endovascular aortic surgery. Increased chief level responsibilities in all areas.</p> <p>Exposure to benign and malignant general thoracic surgery. Clinical cases include benign and malignant diseases of the lung, benign and malignant diseases of the esophagus, minor esophageal and pulmonary trauma.</p>	<p>All aspects of general thoracic surgery with emphasis on diagnostic and staging evaluation, preoperative cardiopulmonary assessment, multidisciplinary treatment planning, incisions, anatomy, and postoperative care. Clinical exposure includes all malignant diseases of the lung, esophagus, mediastinum, chest wall, great vessels, and the heart. Exposure to benign esophageal abnormalities (including but not limited to strictures, Barrett's esophagus, perforations, etc) and inflammatory disease.</p>	<p>All aspects of adult cardiac with increased exposure to heart and lung transplantation and mechanical assist devices. Surgical emphasis on valvular and revascularization as well as in transplantation. Additional exposure to arrhythmia surgery (Dr Byers) and also to endovascular aortic surgery. Increased chief level responsibilities in all areas.</p> <p>Exposure to benign and malignant general thoracic surgery. Clinical cases include benign and malignant diseases of the lung, benign and malignant diseases of the esophagus, minor esophageal and pulmonary trauma.</p>

<b>Year 2 (Cardiac Track Fellow)</b>				
Period	1 month	4 months	3.5 months	3.5 months
Site	MHMC	HERMANN	MDACC	HERMANN
Service	Adult Cardiac and Thoracic	Adult Cardiac and Thoracic	General Thoracic	General Thoracic
Inpt/Outpt	I/O	I/O	I/O	I/O
Exposure	<p>Clinical experience in minimally invasive cardiac surgery, surgical management of complex structural heart disease, and adult cardiac surgery. Exposure/involvement with minimally invasive mitral surgery (repair and replacement), minimally invasive aortic valve replacement, and transcatheter (i.e., TAVR) skills.</p>	<p>All aspects of adult cardiac with increased exposure to heart and lung transplantation and mechanical assist devices. Surgical emphasis on valvular and revascularization as well as in transplantation. Additional exposure to arrhythmia surgery (Dr Byers) and also to endovascular aortic surgery. Increased chief level responsibilities in all areas.</p> <p>Exposure to benign and malignant general thoracic surgery. Clinical cases include benign and malignant diseases of the lung, benign and malignant diseases of the esophagus, minor esophageal and pulmonary trauma.</p> <p>Exposure to cardiac and thoracic trauma</p> <p>Exposure to congenital pediatric and adult cardiac surgery.</p>	<p>Continuation exposure with chief level responsibilities. Increased operative responsibility in a graded fashion based on staff assessment of performance. Increased case complexity including Pancoast resections, complex mediastinal and cardiac tumors, and bronchoplastic/tracheal procedures</p>	<p>All aspects of adult cardiac with increased exposure to heart and lung transplantation and mechanical assist devices. Surgical emphasis on valvular and revascularization as well as in transplantation. Additional exposure to arrhythmia surgery (Dr Byers) and also to endovascular aortic surgery. Increased chief level responsibilities in all areas.</p> <p>Exposure to benign and malignant general thoracic surgery. Clinical cases include benign and malignant diseases of the lung, benign and malignant diseases of the esophagus, minor esophageal and pulmonary trauma.</p>