

PATIENT NAME: [patient name]

EXAM DATE: [exam date] **AGE:** [age] **SEX:** [sex] **I.D.#:** [patient I.D.]

CT CHEST PULM ANGIO	
CONSENT FORMS	Consent to Contrast Material Pregnancy Status Forms (Female Patients) Medication Reconciliation Form (Outpatients)
ORAL CONTRAST	NONE
IV CONTRAST FOR TIMING BOLUS	TIMING BOLUS 4.0 PER SEC FOR 20 CC SCAN 4-5 CC/SEC FOR 80-100 CC CONTRAST
POSITIONING	SUPINE; FEET FIRST, ARMS UP & OUT OF WAY; CENTER AT STERNAL NOTCH
SCOUT	S50 / I 300, 120 KVP @ 10 MA, AP S50 / I 300, 120 KVP @ 80 MA, LAT INSPIRATION BREATH HOLD
TECHNIQUE - TIMING BOLUS	AXIAL; 1.25 MM STD W400/L40 KVP 120 @ AUTO/SMART MA 40% ASIR SFOV-LG BODY/DFOV 20 CM START CONTRAST AND SCAN AT THE SAME TIME. SCAN TILL CONTRAST IN THE AORTA SCAN AT PULMONARY ARTERY (CARINA) INSPIRATION BREATH HOLD
TECHNIQUE - 16 SLICE	HELICAL; STD, W400/L40, 1.25 MM/INT 0.625 MM KVP 120-140 @ AUTO/SMART MA, 40% ASIR, SFOV-LG BODY/DFOV - FIT TO ANATOMY FIND PEAK IMAGE FROM TIMING BOLUS (IMAGE WITH THE BRIGHTEST PULMONARY ARTERY). TAKE PEAK IMAGE NUMBER TIMES BY 2. THIS IS YOUR PREP TIME (EXAMPLE - IMAGE 6 X 2 = 12 SEC DELAY). CHANGE CONTRAST AMOUNT SO IT RUNS FOR YOUR PREP TIME WITH 50 CC OF SALINE. IF USING A SINGLE INJECTOR, USE 100 CC, BUT STOP THE CONTRAST WHEN SCAN IS DONE. SCAN FROM APICES TO BASE OF LUNGS (Siemens equivalent slice thickness and FOV)
TECHNIQUE - 64 SLICE	HELICAL, 1.25 MM, STD, W400/L40, KVP 120-140, AUTO/SMART MA, 40% ASIR, SFOV-LG BODY/DFOV - FIT TO ANATOMY FIND PEAK IMAGE FROM TIMING BOLUS (IMAGE WITH THE BRIGHTEST PULMONARY ARTERY). TAKE PEAK IMAGE NUMBER TIMES BY 2 PLUS 2. THIS IS YOUR PREP TIME.

	(EXAMPLE – IMAGE 6 X 2 = 12 SEC DELAY). CHANGE CONTRAST AMOUNT SO IT RUNS FOR YOUR PREP TIME WITH 50 CC OF SALINE. IF USING A SINGLE INJECTOR, USE 100 CC, BUT STOP THE CONTRAST WHEN SCAN IS DONE. SCAN FROM APICES TO BASE OF LUNGS
TECHNIQUE – 128 SLICE	HELICAL, 0.625 MM , STD W400/L40, KVP 120, AUTO/SMART MA, 40% ASIR, SFOV-LG BODY/DFOV - FIT TO ANATOMY FIND PEAK IMAGE FROM TIMING BOLUS (IMAGE WITH THE BRIGHTEST PULMONARY ARTERY). TAKE PEAK IMAGE NUMBER TIMES BY 2 PLUS 2. THIS IS YOUR PREP TIME. (EXAMPLE – IMAGE 6 X 2 = 12 SEC DELAY). CHANGE CONTRAST AMOUNT SO IT RUNS FOR YOUR PREP TIME WITH 50 CC OF SALINE. IF USING A SINGLE INJECTOR, USE 100 CC, BUT STOP THE CONTRAST WHEN SCAN IS DONE. SCAN FROM APICES TO BASE OF LUNGS
RECONS	2.5 MM, LUNG W1400/L600 1.25 MM, STD W400/L40
REFORMATIONS	CORONAL - MIP 6.0 MM/SPACING 1.5 MM, W600/L100
PACS	SCOUT 1.25 MM - PE 2.5 MM - LUNG PE COR
CHARGE	CT CHEST PULMONARY ARTERIES CONTRAST USED
REMARKS	IF TIMING BOLUS FAILS, USE SMART PREP