

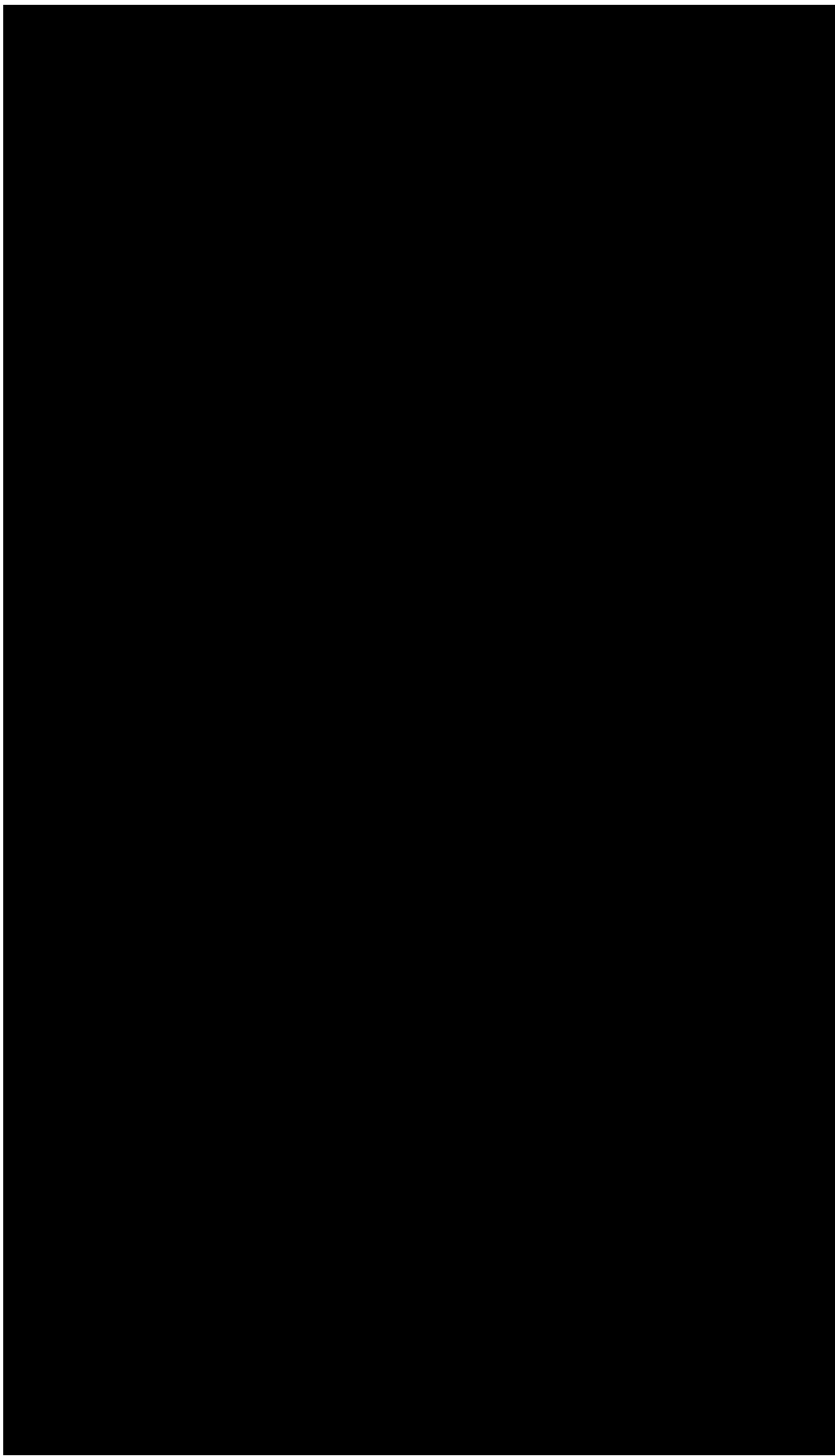
Topic for Integration	Subject	Updated Competency Codes
Ischemic heart disease	Anatomy	AN5.6
Ischemic heart disease	Anatomy	AN5.8
Ischemic heart disease	Anatomy	AN22.3
Ischemic heart disease	Anatomy	AN22.4

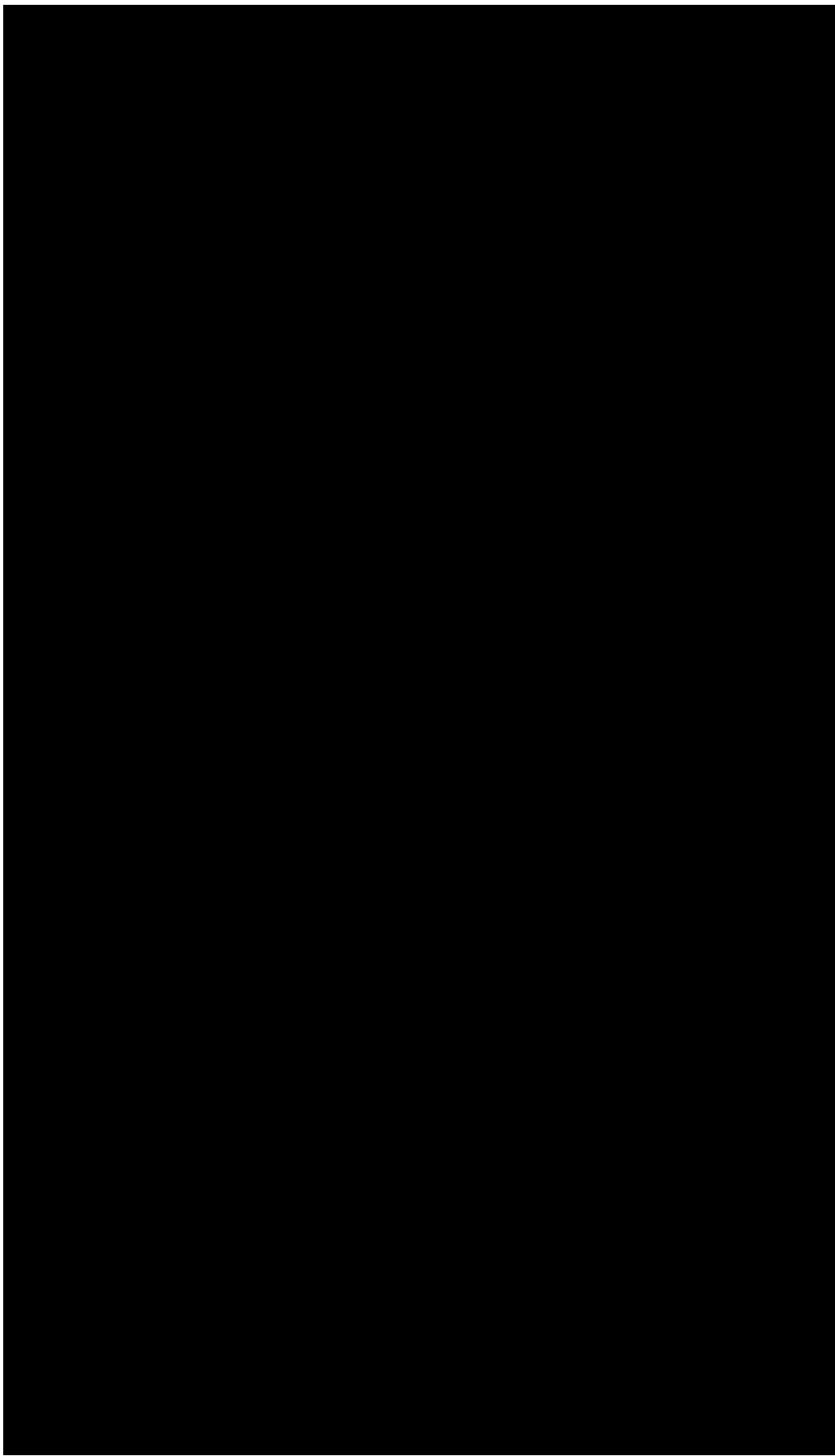
Ischemic heart disease	Physiology	PY 5.6
Ischemic heart disease	Physiology	PY5.12
Ischemic heart disease	Biochemistry	BC2.4-BC2.5
Ischemic heart disease	Biochemistry	BC4.5 & BC 4.8
Ischemic heart disease	Biochemistry	BC12.3

Ischemic heart disease	Pathology	PA26.1
Ischemic heart disease	Pathology	PA26.6
Ischemic heart disease	Pathology	PA5.5-PA5.6
Ischemic heart disease	Pharmacology	PH4.2, PH4.3, PH4.4, & PH4.11
Ischemic heart disease	Pharmacology	PH4.8
Ischemic heart disease	General Medicine	GM2.1
Ischemic heart disease	General Medicine	GM2.2

Ischemic heart disease	General Medicine	GM2.3
Ischemic heart disease	General Medicine	GM2.4
Ischemic heart disease	General Medicine	GM2.5
Ischemic heart disease	General Medicine	GM2.6
Ischemic heart disease	General Medicine	GM2.7
Ischemic heart disease	General Medicine	GM2.8
Ischemic heart disease	General Medicine	GM2.9
Ischemic heart disease	General Medicine	GM2.11
Ischemic heart disease	General Medicine	GM2.12
Ischemic heart disease	General Medicine	GM2.13
Ischemic heart disease	General Medicine	GM2.14
Ischemic heart disease	General Medicine	GM2.15
Ischemic heart disease	General Medicine	GM2.16

Ischemic heart disease	General Medicine	GM2.17
Ischemic heart disease	General Medicine	GM2.18
Ischemic heart disease	General Medicine	GM2.19
Ischemic heart disease	General Medicine	GM2.20
Ischemic heart disease	General Medicine	GM2.23
Ischemic heart disease	Emergency/ General Medicine, Cardiovascular system	
Ischemic heart disease	Emergency/ General Medicine, Cardiovascular system	







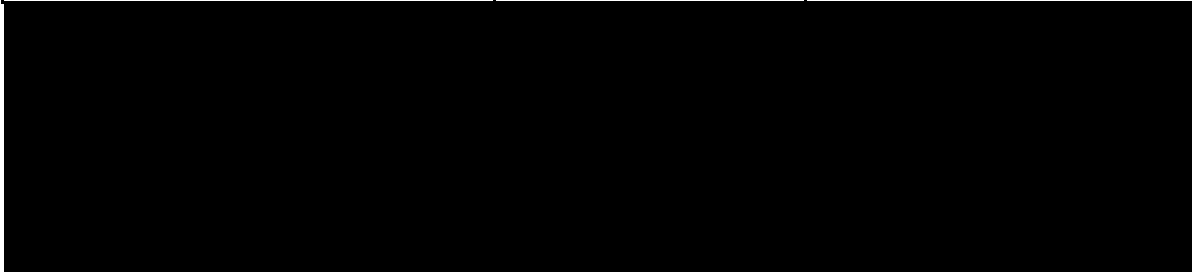
Updated Competency Description	Direct URLs (Deep links) to clinical cases within CK Student	Direct URLs (Deep links) to videos within CK Student
Describe the concept of anastomoses and collateral circulation with significance of end arteries.		https://www.clinicalkey.com/student/content/video/23-s2.0-mm_9780323696616_0006
Define thrombosis, infarction and aneurysm.		
Describe and demonstrate origin, course and branches of coronary arteries		
Describe anatomical basis of ischemic heart disease.		

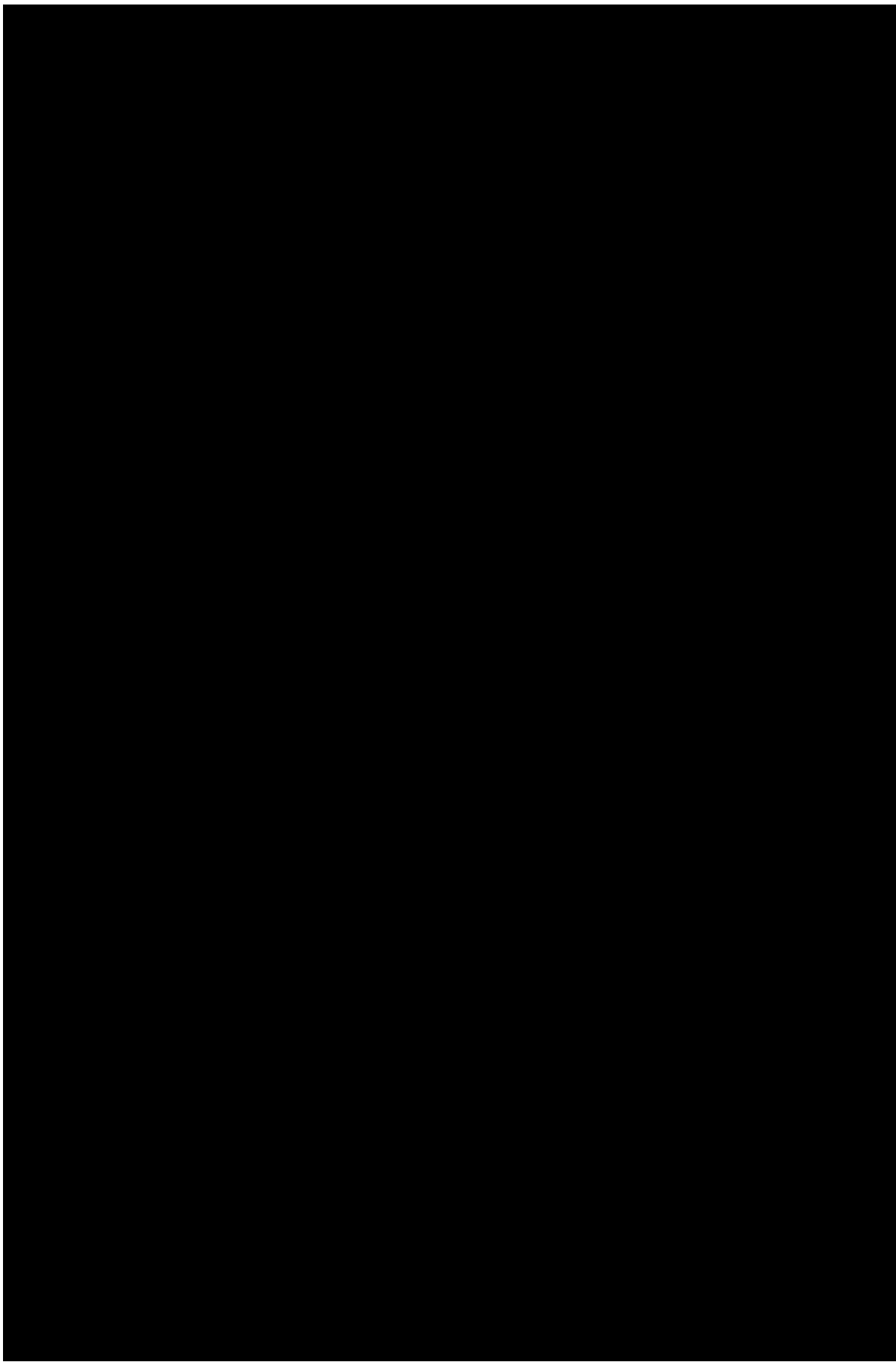
<p>Discuss physiological variations in ECG waveforms, abnormal waveforms and intervals, arrhythmias, heart blocks and myocardial Infarction</p>		
<p>Describe & discuss regional circulation including microcirculation, lymphatic circulation, cerebral, capillary, skin, foetal, pulmonary and splanchnic circulation</p>		
<p>Describe and discuss the clinical utility of various serum enzymes in laboratory and their use as markers of various pathological conditions.; Interpret laboratory results of enzymes in various disorders.</p>		
<p>Describe the metabolism of lipoproteins with brief overview of lipoprotein structure, their interrelations & relations with atherosclerosis.; Interpret laboratory results of analytes associated with metabolism of lipids</p>		
<p>Describe the role of oxidative stress in the pathogenesis of conditions such as cancer, complications of diabetes mellitus and atherosclerosis.</p>		

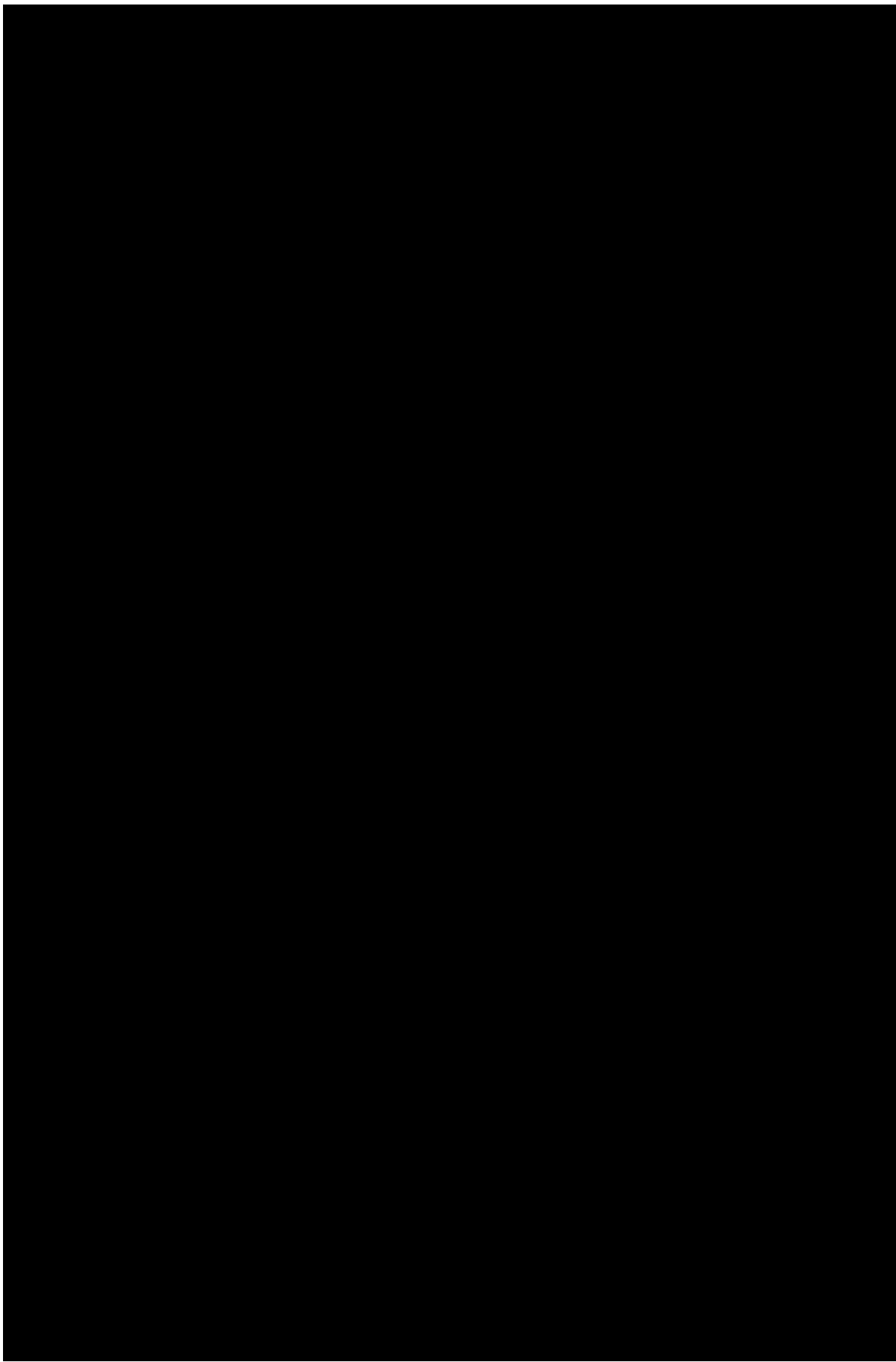
Distinguish arteriosclerosis from atherosclerosis. Describe the pathogenesis and pathology of various causes and types of arteriosclerosis		
Describe the epidemiology, risk factors, etiology, pathophysiology, pathology, presentations, gross and microscopic features, diagnostic tests and complications of ischemic heart disease and Interpret abnormalities in		
Define and describe Ischemia/infarction, embolism its types, etiology, morphologic changes and clinical effects; Identify and describe the gross and microscopic features of infarction in a pathologic specimen		
Explain types, salient pharmacokinetics, pharmacodynamics, therapeutic uses, adverse drug reactions of drugs acting on coagulation system		
Describe types, salient pharmacokinetics, pharmacodynamics, therapeutic uses, adverse drug reactions of drugs used for the management of ischemic heart disease (stable, unstable angina and myocardial infarction), peripheral vascular disease and		
Discuss and describe the epidemiology, antecedents and risk factors for atherosclerosis and ischemic heart disease	https://www.clinicalkey.com/student/content/book/3-s2.0-B9780702081590000050#hl0000938	https://www.clinicalkey.com/student/content/video/23-s2.0-mm_9780323798723_0002
Discuss the aetiology of risk factors both modifiable and non modifiable of atherosclerosis and IHD		https://www.clinicalkey.com/student/content/video/23-s2.0-mm_9780323798723_0004

Discuss and describe the lipid cycle and the role of dyslipidemia in the pathogenesis of atherosclerosis		https://www.clinicalkey.com/student/content/video/23-s2.0-mm_9780323798723_0003
Discuss and describe the pathogenesis natural history, evolution and complications of atherosclerosis and IHD	https://www.clinicalkey.com/student/content/book/3-s2.0-B9780702080494000249	https://www.clinicalkey.com/student/content/video/23-s2.0-mm_9780323798723_0003
Define the various acute coronary syndromes and describe their evolution, natural history and outcomes		
Elicit document and present an appropriate history that includes onset evolution, presentation risk factors, family history, comorbid conditions, complications,	https://www.clinicalkey.com/student/content/book/3-s2.0-B9780323358095000412	
Perform, demonstrate and document a physical examination including a vascular and cardiac examination that is appropriate for the clinical presentation	https://www.clinicalkey.com/student/content/video/23-s2.0-9780323358095_0017	
Generate document and present a differential diagnosis based on the clinical presentation and prioritise based on “cannot miss”, most likely diagnosis and severity		
Distinguish and differentiate between stable and unstable angina and AMI based on the clinical presentation		https://www.clinicalkey.com/student/content/video/23-s2.0-mm_9780323358095_0017
Order and interpret a Chest X-ray and markers of acute myocardial infarction		
Choose and interpret a lipid profile and identify the desirable lipid profile in the clinical context		
Discuss and enumerate the indications for and findings on echocardiogram, stress testing and coronary angiogram		https://www.clinicalkey.com/student/content/video/23-s2.0-mm_9780323798785_0013
Discuss and describe the indications for admission to a coronary care unit and supportive therapy for a patient with acute		https://www.clinicalkey.com/student/content/video/23-s2.0-9780323798785_0013
Discuss and describe the medications used in patients with an acute coronary syndrome based on the clinical presentation		https://www.clinicalkey.com/student/content/video/23-s2.0-mm_9780323358095_0017
Discuss and describe the indications for acute thrombolysis, PTCA and CABG		

Discuss and describe the indications and methods of cardiac rehabilitation		
Discuss and describe the indications, formulations, doses, side effects and monitoring for drugs used in the management of dyslipidemia		
Discuss and describe the pathogenesis, recognition and management of complications of acute coronary syndromes including arrhythmias, shock, LV dysfunction, papillary muscle rupture and pericarditis		
Discuss and describe the assessment and relief of pain in acute coronary syndromes		
Describe and discuss the indications for nitrates, anti platelet agents, gpIIb IIIa inhibitors, beta blockers, ACE inhibitors etc in the management of coronary syndromes		
Case of Cardiorespiratory arrest	https://www.clinicalkey.com/student/practice/PJ/BMainIND0241	
Cases of Cardiac Failure, Unstable Angina, Ischemic Heart Disease	https://www.clinicalkey.com/student/browse/spec?facets=subjmain~.Emergency.*subjmain~.Internal_Medicine.*bodysystem~.Cardiovascular_System.*chiefcomplaint~.Cardiorespiratory_arrest.*chiefcomplaint~.Chest_pain.*chiefcomplaint~.Breathlessness.*location~.Emergency.	







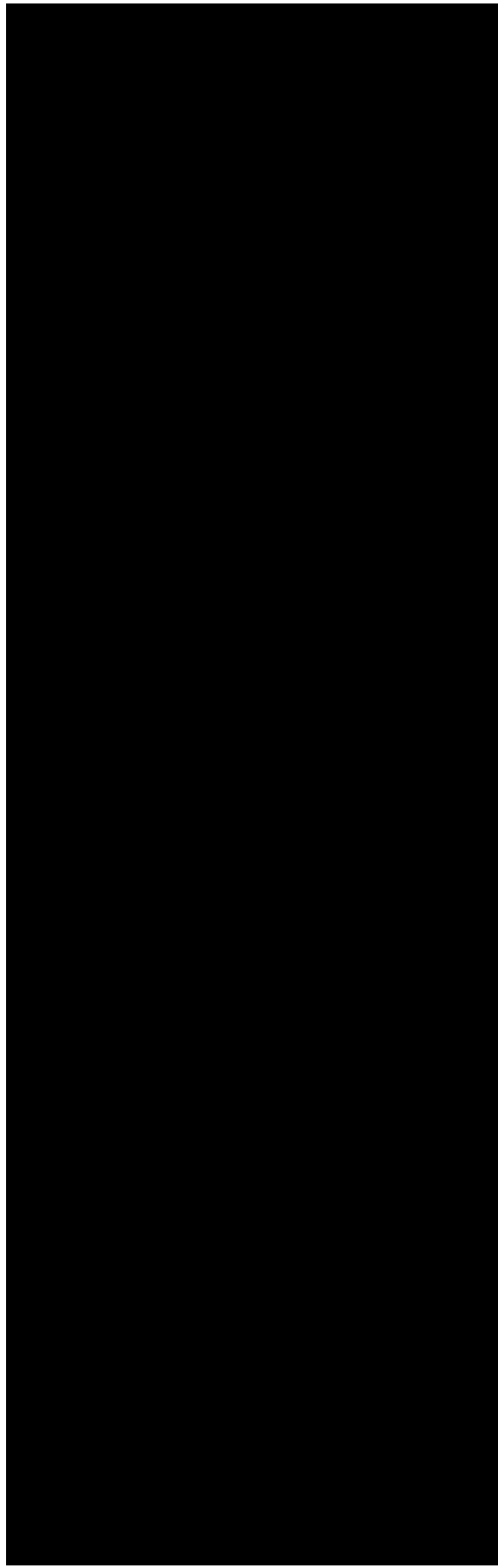
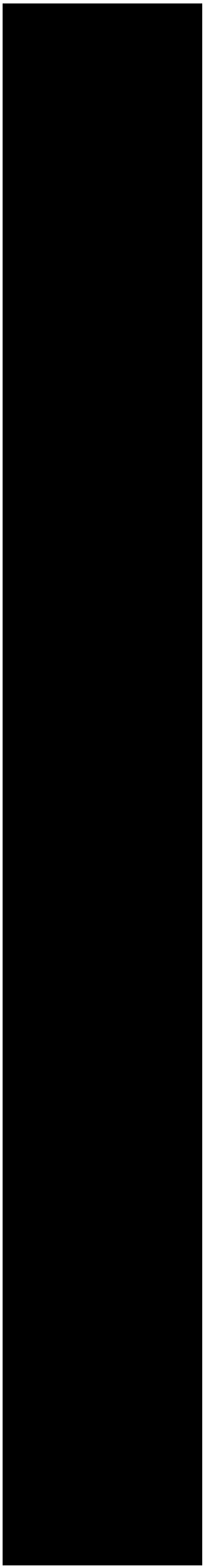


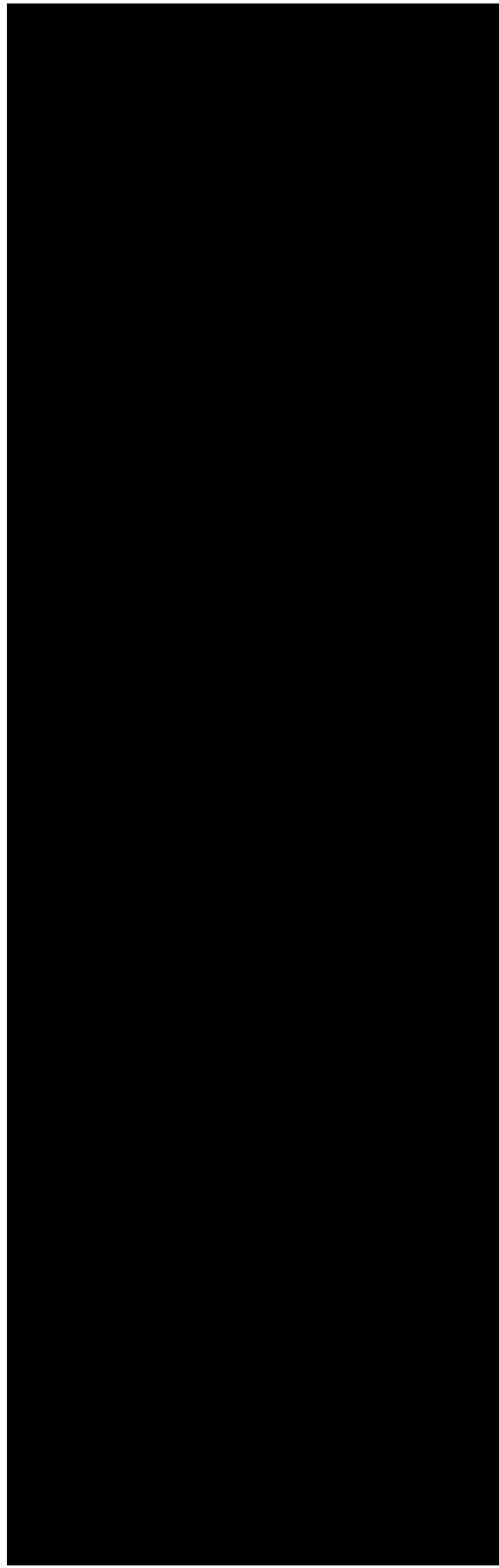
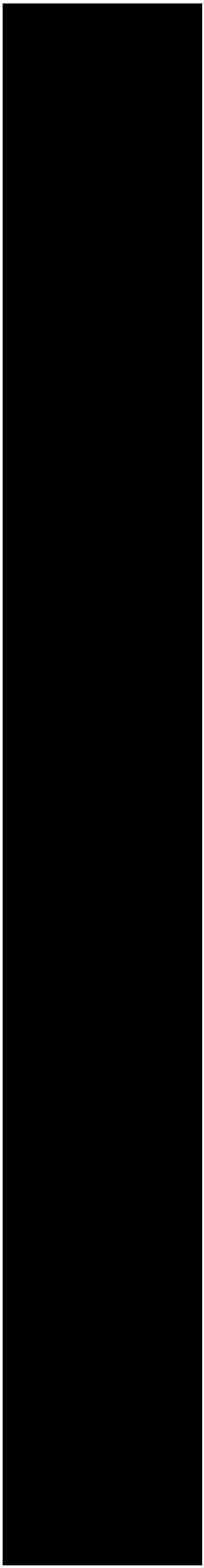
Direct URLs (Deep links) to videos within OSMOSIS	MCQs Unique Identification Number within CK Student Assessments i.e. https://www.clinicalkey.com/student/test/#/createAnAssessment	Direct URLs (Deep links) to the topic within textbooks inside CK Student
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		https://www.clinicalkey.com/student/content/book/3-s2.0-B9780702073755000055
	YAI_1588776371051	
https://www.osmosis.org/learn/Anatomy_of_the_coronary_circulation	YAI_1567759755393; YAI_1588773564788; YAI_1587714775662	https://www.clinicalkey.com/student/content/book/3-s2.0-B9780702073861000531 ;
		https://www.clinicalkey.com/student/content/book/3-s2.0-B9780702073755000055
https://www.osmosis.org/learn/Ischemia	YAI_1561127223683	

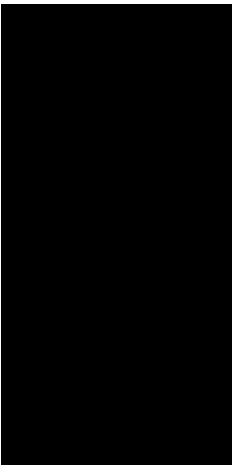
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https://www.osmosis.org/learn/Coronary_circulation?from=/oh/organ-systems/cardiovascular-	YAI_1574326153921; YAI_1561127226093	https://www.clinicalkey.com/student/content/book/3-s2.0-B9780323594844000114
		https://www.clinicalkey.com/student/content/book/3-s2.0-B9788131257739000551
https://www.osmosis.org/learn/Fats_and_lipids	YAI_1595338246934; YAI_1561126803951; YAI_1561126659405; YAI_1561126807653	https://www.clinicalkey.com/student/content/book/3-s2.0-B978070207341000007X

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https://www.osmosis.org/learn/Arterial_disease?from=/oh/foundation	YAI_1561127220039; YAI_1561127224869; YAI_1588776371664	https://www.clinicalkey.com/student/content/book/3-s2.0-B9780702072062000077#hl0000409
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	YAI_1561126975303	https://www.clinicalkey.com/student/content/book/3-s2.0-B978070208279500010X#hl0001838

	YAI_1595338246934; YAI_1561126659405; YAI_1561126807653	
https://www.osmosis.org/learn/Arteriosclerosis		https://www.clinicalkey.com/student/content/book/3-s2.0-B9780729544245000076#hl0000757
https://www.osmosis.org/learn/Atherosclerosis and Coronary Artery Disease		https://www.clinicalkey.com/student/content/book/3-s2.0-B9780729544245000076#hl0000757
		https://www.clinicalkey.com/student/content/book/3-s2.0-B9780729544245000076#hl0000757
https://www.osmosis.org/learn/Myocardial infarction		https://www.clinicalkey.com/student/content/book/3-s2.0-B978070208279500010X
https://www.osmosis.org/learn/Dyslipidemias: Pathophysiology		https://www.clinicalkey.com/student/content/book/3-s2.0-B978070207341000007X
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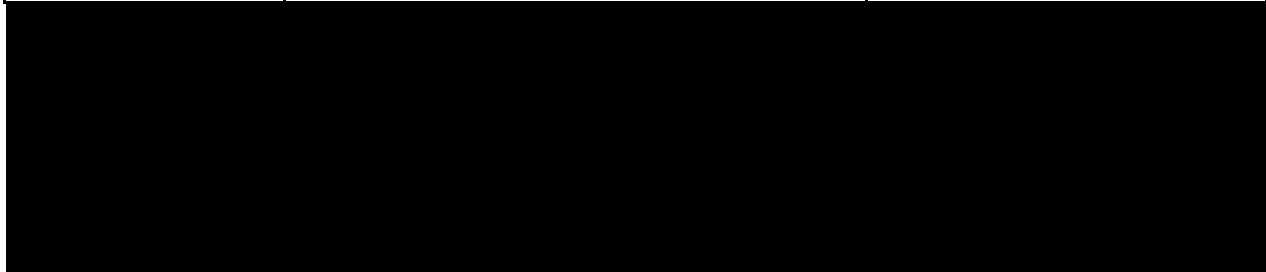


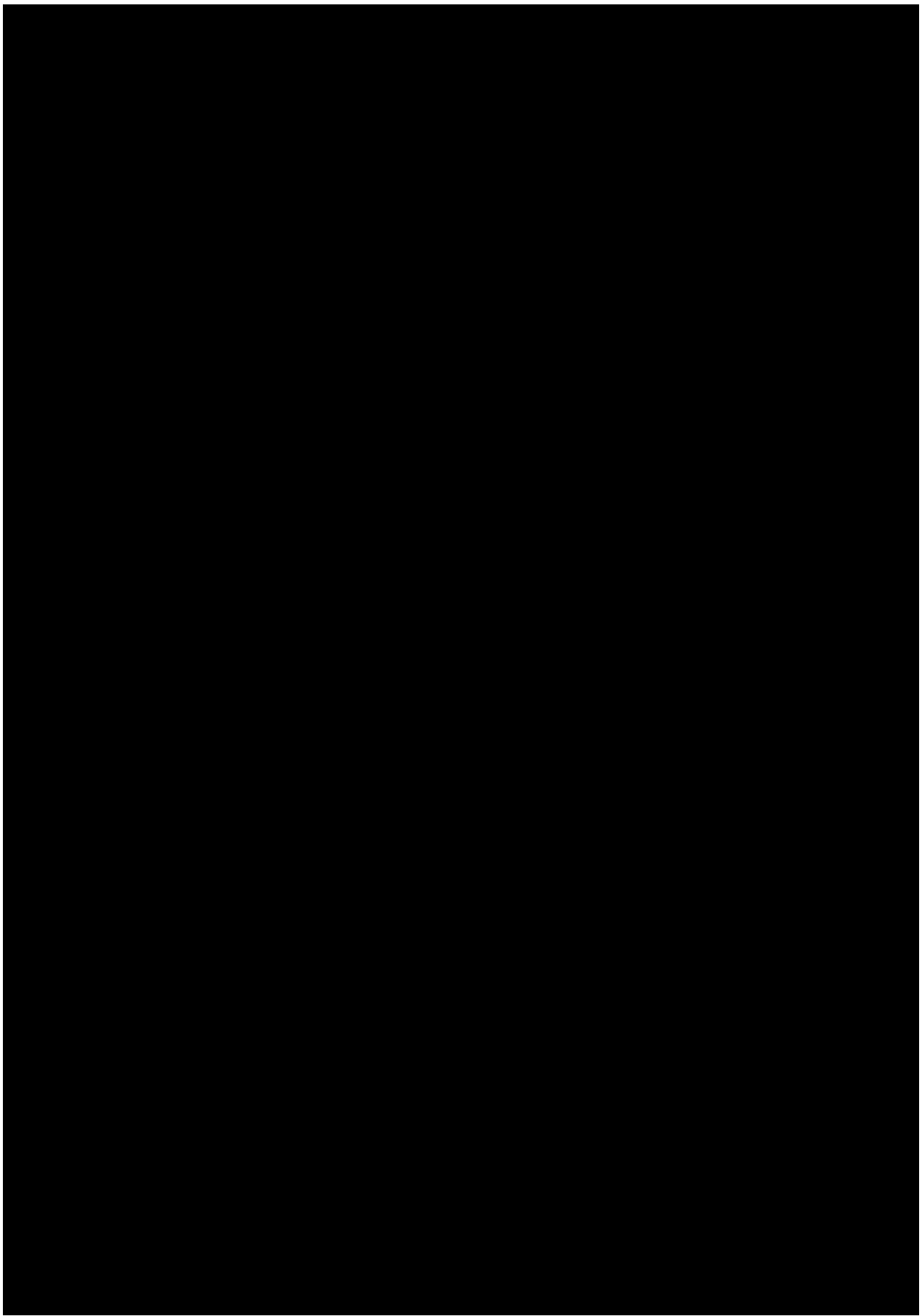


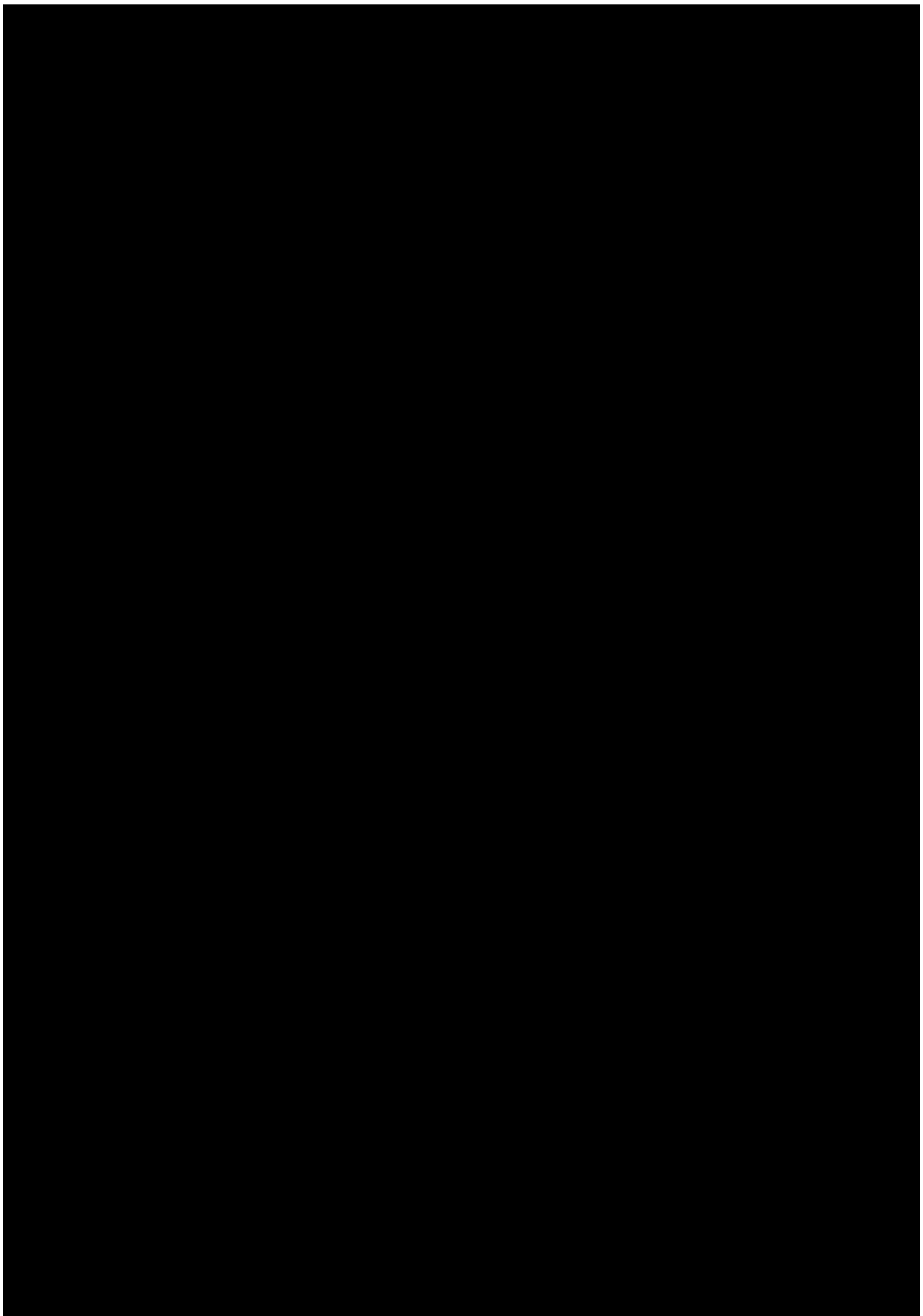
Direct URLs (Deep links) to the Disease Overviews/ Summaries for the topic within CK Student	Direct URLs (Deep links) to the images within CK Student	Deeplink to India Skills Videos
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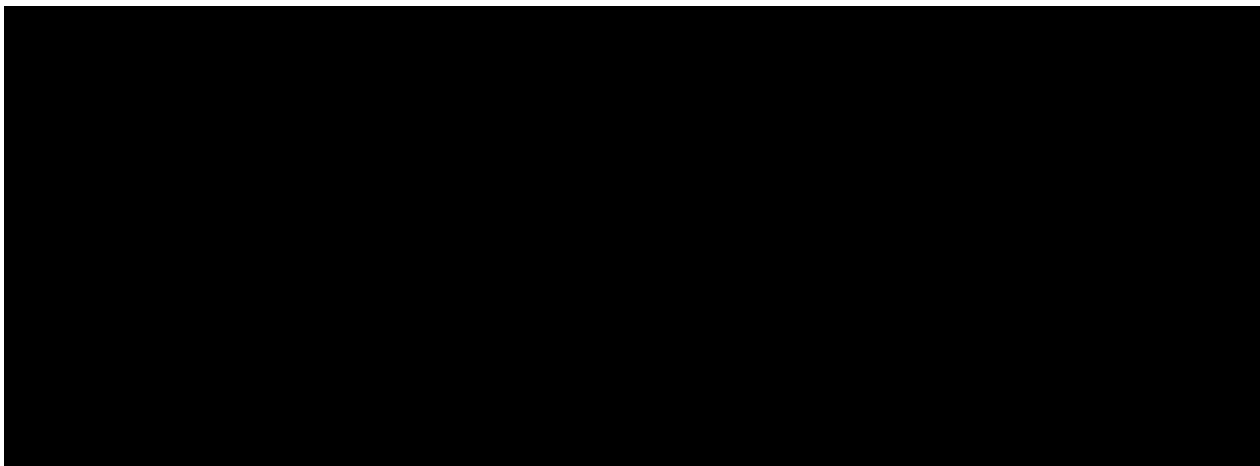
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**Recommended
keyword/filters which
gives max results**

end arteries;
anastomosis; collaterals

thrombosis; infarction

coronary; circulation

ischemia; heart

ECG; myocardial
infarction

circulation; coronary;
physiology

enzymes; diagnosis;
myocardial infarction

lipid profile

oxidative stress; free
radicals; atherosclerosis

differences;
arteriosclerosis;
atherosclerosis

ischemia; heart;
pathology

embolism; infarction;
pathology

drugs; dyslipidemia

drugs; infarction;
ischemia; myocardium

Risk factors;
epidemiology

Risk factors

dyslipidemia;
atherosclerosis

types; acute ;coronary

pathogenesis;
progression;
complications
history taking

clinical examination

differential diagnosis

angina

investigations

lipid profile

further testing

treatment

treatment

treatment

rehabilitation

dyslipidemia

complications

pain relief

drugs

