

1 SYSTEMDSEASE1

SISTEMDSFASE

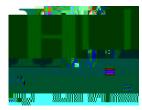
Faculty and OpenFaculty: Calatori, Civiliri, Conthelli, Colonho, Cienoresi, Fenante, Fiantore, Fesce, Lodgiari, Mhori, Parico, Reggiari, Reines, Reme, Ronalli, Stefariri, Tilito, Tonacca

Coadinato: Giarluigi Combelli

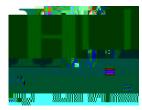
Tutos infleSimilationLabs Ribiro, Mirtagra, Tonnasiri, Soliiati, Parico, Ulan, Geronetta, Anera, Lanza, Carexai, Biari, Mhori, Reggiari, Calatori

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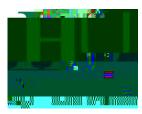
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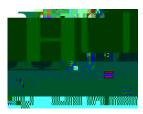


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• Describe patrophysiclogy, dirical course and principles of the apy of hypertensive disorders of pegrany (peed an paia ed an paia, choric hypertension, gestational hypertension)

Dyspicteinenias and Anyloidosis



Basic sensions for patient evaluation in cardiovascular medicine

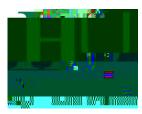
Leaninggoals

- Stutentsstruktæquiekrovledgeonhowtopenformacompetensivelistoytakingærdageneal evanirationofflepatiertvithcædovæsulærdseæe
- Stubits shutbed be accepted as constant conclusion of the unbying periods with the second secon

The Electrocadiogram

Learinggoels

Describehowtopenforman ECG Theoryof bip large ighest leads and up large could leads of
the baseline hourse CG. Description of the theory of choirent vector orientation and its influence on



- Recognizeromal cardiac antony on dest Xiay (assessment of least size and nonal contous of the heat) and educard og apply. Four denomials of cardy assultance to any on cardiac CT and cardiac MR.
- Inaging findings in communication as a lardseases
- Describe the basic principles of imaging stress tests.

Coorayateydseases 1: pathphysiologyandnedical nangement

Learinggoals

- Discuss myocadal is denia fiompethylysidogy to divide presentation
- Calify the dag a stic to ds for assessing my coarded is denia
- Define the basis of the apputic appondes

Acute cororary synchrones and cardiogenic shock

Learinggrebs

- the basic medianisms of acute concrety syndroms
- trediferent pesentations of a cute correspondences
- Discuss risk stratification impatients with a cute correctly synchrones
- Define the name generator patients with row ST segment deviation and ST segment deviation
- Description of the second description o

Hatfalue 1: basic necharisms and pathophysiology

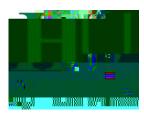
Learninggoals

- Discuss the epidemickogy and progressis of the attraiture with neutred and preserved ejection fraction
- Desche technicon of teat falue and ecogrize technic turbely ingcases and peopleting factors
- Discuss the pathophysiology of heart failue and systolic and dast of clysic distinction

Cadacanhytmias 1: basic nechanisns and pethophysiology

Learninggoals

 Dstirg.ishteqidnidgy.patiqtysidgy.dagosis.anddrical@aues.of.antytnias.and contaiondstubanes.



- Il state of teach la and a la madarisms in ched in technical activity of technat, the anatomy and physiclogy of the conduction system; and the chedrical vectors throughout the cardiac cycle
- Indcatehowtorecogrize the characteristic appearances of an deeplanetion for, the ECG in the naim pathological conditions.
- Disass the dassification and distince of backgrade, tachy carde, superentiadar and yt mine (inducing a tial fibrillation and filther) and verticed area by timine

Essential hypertension

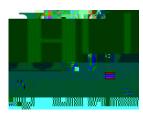
Learinggoals

- Discuss the patrophysicle gy and drical impact of a terial hypertension and of the vascular consequences of systemic discusses
- Discuss the the appendic approaches for the align hypertension and vascular diseases

Country atery disease 2 in a sive diagnostics and treatment

Leaninggoals

- Ilustate the invasive dag assistands for assessing commy antery discusse and my coarded is demin
- Define the basis of the apeutic approaches, with a focus on the divide inductions for myocardial new scalarization
- Discuss the treatment options for myocardial seaso datization
- Discuss the indications for percutarious and suggical myocardial seaso data ization
- Discuss optimal medical management after myocarda hexas cutarization



- Describe the basic functioning of the implantable cardioverter definitiator (KD) and its indications for any transposed ion
- Discuss the flow date of the appulic quices in an hybrid risk with divide learning the second s

Cirical and sugical approaches for great vessel disease

Learninggoals

- Discuss the epidemiclogy, path physiclogy, dag to as an end in califications of an envyronment of the end of
- Deire te basis of que normbasular treapeutic apportes
- Introleeplaningandsizingforvasculardseases

Cadac value diseases

Learinggoals

- Deire the patholysid gy and drical presentation of cardiac value diseases
- Discussified in calculation of cardiac value diseases
- Discuss the dag nuticated is for assessing card ac value diseases
- Discuss the tead number of the standing of the standard sta
- Discuss the optimal medical management after interventions for cardiac value diseases
- Milicisciplinary integration
 Raddogy describe the role of main asive cardac inaging in the dagrosis of cardac value discusses

Endocaditis

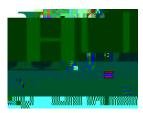
Leaninggoals

- Ilustrate treepidenickgy and the eliquetry genesis of infective embrachis
- Discuss the divide pertain and complications of infective embrandis
- Discuss dagnatic tools for assessing infective embrandits
- Discuss antinio dial trapy for infective endocadiis
- Discuss the recommendations for prophylaxis of infective embranditis
- Discuss the inductions for and timing of sugary for infective embrand is

Assessment of congenital cardiac abromalities in adults

Learninggoals

- Discuss the antony and the development of the heart, veins and gest vessels, the imagin congrital mation and the principles of converdatue
- Discuss the physicle y of the field and tarial circulations, acticle y of congenital heat discuss, including the developmental antony of the heat and vasculature
- Discuss the pathophysicky natural listory and complications of value and outflow tractlesions, september of the pathophysicky matching is september of the pathophysic of t



ateries (conflete and congenitally conected); tetralogy of Fallot, congenital mail ionations of coroany ateries; cyanolic congenital heart closesse and secondary explositions is; and pulnorary hypertension in congenital heart closesse

- Describe addescent and addingetients with simple congenital heart defects (grown up congenital heart descence) (GLCH, inducing these who have undergone cardiac suggry
- Describe and acceptizely sical signs of congenital heart disease and its complications

Mocadiis and diseases of the pericadum

Learinggoals

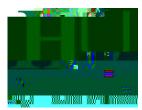
- Discuss the nuclearisms underlying the discusse and the pathophysical discussion of the p
- Discuss the dag osticand the apputic approaches of my coachis
- « Discus tenudarisns unbilying techease and tepatropyidogy of paicadis
- Discuss the dagrastic and the apeutic appointers of pericardits

Pinarycadomycpathies

Learninggoals

- Review to Breig and a signature of the signature of the second and the second a
- Discuss the elidogy dassification and patrophysiology of the discusses
- Discuss the possible treapeutic stategies
- Milidsqi ingjegali fi ysino gy dumu ficsi Dusa Raddogy describe the role of noninasive cardac inaging in the dagrosis of cardony qualities

LÈ qe ambQiyi£



Pinciples of Cadiovascular Sugary

Learninggoals

- Describe the suggest approaches to card ac discusses.
- Describe the basic techniques for cardiac suggry (coronaly antery by pass suggry, valualar replacement/repair, context in of comparial diseases)
- Describe trepingles of extra concertain the

(mphology)

- Il state initial in san technique of ten ain methods of inestigation throughing ago of the unitary appartus (dest Xiay, urgaphy, cystography, ultascond, CT and MR).
- Cosidertesenetrols of naging for the recognition of verel nasses, verel wetwail black bestores, infammatory discusses, postate discusses
- Receptize trensininging cherel petrology using addogical semicities, also contrebasis of nonal contestographicatetony (cneasy to interpetingges) (considercalculi, hydrogehosis, neural additable mequations and postate petrology).
- Discuss the nainted highes of interventional actions graded by inuclogy-rephositony, arteriography and needs tenting endotation of need block graden indication of variables.
- Describe the radio transactuicals available to assess meral function
- Describertende of schiggdy in the dag rusis of real diseases.

DAGNOSIICIMAGING

Suggestedtextbooks

- Viliant-Enirg LearningRaddogy(ThidEdilor). Elsevier
- Gurdemanetal Esserial Raddogy Theme

Ingingofihelidneyanduinnysystem

- Il state initiations and technique of the main methods of investigation through images of the unitary apparatus (dest Xiay, unggaply, cystography, unascord, CT and MR).
- Cosidertesenetrols of negligiforte recognition of verel nesses, verel veteral blacklessons, infannatoy discusses, postate discusses
- Recognized enaininging of enalged cogning actions and the participation of the p
- Discuss the nainted highes of interventional addression in the description of the de
- Describe the radio transacticals available to assess send function
- Deschetterdecfscirigadyintedagrasis cheraldscases.

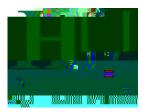


Cadiovascularinaging

- Ilustate the main running is vascular ingging techniques (CT angiography and MRA), also with networker to concrete CT, and discuss the indicators and limits for the dagrasis of arrunism and anticodissection, sterococlusive peripheral anticid discusse and atteroverous mail in mains
- Explainte pirciples of caddogic in ging based on dest Xiay and the use of educadog appy and cadac MRI invalutar and nyocadal (is deenic; inflamatory and requestic) and pericadal disease
- Itstate tetedrique adirataions of texaious types of ateriography (villipatioular reference to concerv categorisation and the ateriography of the caudid used and delicentescriptic ateries and these of the lover links) and verography (lover links, upper links, superior and inferior vera case and potal verous system).
- Using the semicic atteing a physical enterial lesions, recognize the images of arruismusterosis and occurs of the naimaterial turks (one asytointerpretadog ans).
- Il.state teinkaios and net ob of performance of tenainted rights of vasularite vertical address (argig lasty, stering enholization and positioning anticember 2010).
- Describe the radio hand acticals available to image myocardial perfusion and masure verticular function
- Describe sterghard linis of nyocadal scritgaphy in the dagrosis of CAD incompaison with otheringing multilies

PAIHLOGY

Suggested textbooks • Aster, J.C., Albes, A.K. (2021). Robbinson dPA y aAlicology: Alis



- Conclusion and the second s
- Ilustate tree dui on of goss and ninoscopic darges in nyocadal infaction
- Ilstate teconficators of mycardal infaction

Lesson3 Endocaditis

Learning Objectives

- Define i heunatic feverarchikeunatic heart disease
- Describe the pathogenesis of the matic fever
- Instate tempt degic demantant the divical outcomes of the matic fiver
- Ilustrate complications of the unalic heart disease
- Defreardilutette te détact mining subjutisands becate infective entractis
- Describe the types of main facted vegetations
- Compleand contact the najor for sofveg tail een board is
- Describe the complication of embcardies

Pathologic basis of kichey, lover unrery tract and nalegenital system

Lesson4 Introduction to rend pathology

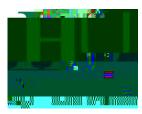
Learning objectives

- Istatetepathdgicaspraseditegionarks toirjuy
- Listhepelogreticnederisns of generalizing
- Describe the nainpethologic features of glonen landseases comparing and contrasting prinary glonen liquid its and systemic diseases with vasular indivenent.
- Instate t(edennia ylapics of typhon hjs
- Instate tecontribution of immundicues cence and electronic microscopy in the degrastics of the main general spaces.
- Describe the naintuble interstifiel diseases focusing on the patterns of tuble and mage
- Conclute the constant distribution of perceptions with the main end of gives
- Describe the pathogenesis and nonphologic features of rephosolences is

Lesson5 Kicheytungs

Learning objectives

- Describe the nain symptoms and signs of rend times
- **Hittifanddisolplikigeptarsbuiocs**cepic features of the dearce] at uses of the more state of the mor



- Indateteqidnidgy iskatos and employed fatures of terequenes of tere
- Describe the natural history of papilary and non-papilary neques no of the black her with emphasis on insitu cardina a model in asiveress, multipality, gading and staging
- Indcate the potential and limits of the different cytological and list dog cal powed as in the day ratios of upgenial text tunus;
- Inicateviati fonationale medd for a pair dogical epot of a una sy tract to norto be complete

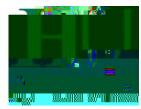
Lesson7 Postatepathology

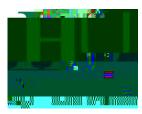
Learning objectives

Describe the zonal and any of the postate, considering the different discusses and symptoms related to it.

t

- Instate tremupt degical draacteristics of berign postatic hyperbasia
- Instate treepideniclogy, iskfactor and retural history of postatic requests.
- Ilustrate the dagrostic strategy of postate carrier
- Listheprograssic parameters of postate carrier
- Define and compare the Geoscopper G



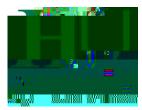


- Idmilytephanacological tagets in the system
- Discuss the dugs available to interfine with congulation, platelet aggregation and then hus formation and lysis

THE CLINICAL APPLICATIONS OF CARDIOVASCULAR AND RENALDRUGS

Lectue Cadacinsufficiency and ischemia

- Evanine the pathophysiological factors that influence cardiac contactility, cardiac work and organizational
- •



VASCUAR DSEASES: IN DEPENDENT LECTURE ON 2811 (839-103) OR INTEGRATION TO PROF. OMINIS LECTURE ON 0811/2017 Describe the naimadological techniques for the evaluation of arrenysms, acute acutic syndroms, peripheral arterial diseases Describe the naiminut cations of interventional radology for vascular diseases

MLIDSCHINARYNIEGRAION Rimmeryenholism(22/11)