

The capillaneli- (1) captillaries have walls, allow exchange of gases untyoute muy tirans fright might be copyriand page begg begg begg begge Armer Dot all conflicted pege are oben of the a production Virginia Do Or wine !venuler drain blood from copillances, than join form reins that take blood, to the hoart . 34 comes il geoxyloughed book from pod any toku it to hoard; veins have much less connoctive thesus than artines HEART superior renocara nd (without) Athores ticalore home (muspid) art scle) Right pece Septimin (1) Thomas is a sing to the top to All Internal view of wheart Bippoly rentific James of the south of the contraction

Cordionoscular eystem is also collod Circulatory

Ordionoscular eystem is also collod Circulatory

Vocalis of body. This eystem has many broom Noscela [Hetery and voine] varcuar - veine J verseis Ploog, 34 Met Petrosil Inde open Dichterder.
Heart 7 a warcalar pollow ober Dichterder. rough - 10 cm - 12 cm, 3 cm wigs, 6 cm thick coelept in male - 1310 gram of many coolent in femolo 1225 gram >> Loyers of heart! Di beycorgine :- 34 is inbbrement lover of peart pencardium! Distriction :- myocordia is a middle 1000 of it is livage up cargiac muscle tipus. 124 11,2 rechonsipe you tox branking of poort. (2) Engocoegine :- Engocoegine it a junement lavos 3 (chambers) of heart !-· Heart has 4 chambers nue attum present upper side et heart (12ft "I wo restrois present 100000 bort of "poort 1000 1/7 (Mett Du Ripht) nord

= Superior renocora ;-134 12 jubortant row sopiet it convocted south Light athens 1942 main function is that is carry deaxygenated mouth, eart etc. part tof body e.l. Prain, ers Tulewor revacoral now Orich coupocts to what 101802 very Anverson it 4011 court jubburg proof from 10 more bouts of pody 140, ught atynin. > bollwood Acted ?-Met de la apaclar Artery Which is attached to the one of the overed to inder gooxygewith Place (nuitre ottern) balwood how ,-Gly it Counsotty to 18th atum. (number st is one of the veins which cames oxygenated Hopera Actedit This largest artery of mbody michich, is Coupected, 40 1644 mation 24 Gossa a oxidenated plood flacous type pover and Bend to all body.

as conducting system of hoort or 13 20 1. 1 4 18 18 18 18 19 1. UN SA node 1 Ar no de Av bundle for - 11111 purale of His Inly Bundle branches purpione fibre A special system is available in the phoont responsible for withen the thirthwich contraction and conduction of impulses in the heart! Ofrided Both & partiet & light SA Mode or Simonthal node for rolling 34 & located in the night ation wall peron obened of Babenes Kowa cara. · Cordiac excitation perine in the SA node Impuse travers throughout heart who conductionsys Ar voge or Athorauque color voge; 34 17 10 could jugo you gebraie petioned 4:00 atra. cardiac impulses spreads from SA node to node Bungir of His: Tubinises ecourse year you to voce to Brugge of His and then quiges jute the boars Bunde prinches & purvinie fishres.

Cordioc oycle:-Cardiac cycle 11 defined as the succession of coordinated events taking place in the heart during each boats out . will will some sorrow stand Each beats consists of thos mosar periods collect Systole and diastolo. and Actord to say · During systell hoart contracts and blood through, artenes. tilled by the pools through hours His there shours are rebrased in chelic wonver Events of cordioc oper? Atrol Events. - hourt beats at normal rate of or 8 seconds. In of each cardiach chare it upont 0. 8 seconds. - Athai systole - 0.63 (0.7) sec. ventholar events : a sort in land winds - venthoular systole - 0,27 (0,3) sec, 10,10 - NOUTURAL GLOTTOR - 6.23 (0.2) 360.

Heath Sound Hoard sounds are the sounds produced by the heart duning a cardiac cycle, specially whoh heart voires snop shut. Lubibus 194 can detected by stethoscope and phonocordigon Pyper of hoort sound of tirest pooks sound in 94 Pr. dun and prolonged as 120B Sacobal hoort, sound! Socond hoort, sound! 19+ Pr shorp and short as DUB Duration - oills : my million . In the . Third hoort sound! Heard occasifonolly mand wools ! Duration bold selen Borgs :- youth, athletes, pregnancy toneth poort sonnation and sampliff list wathress connot be heard from stethoscope but recorded by our cougablique pro vinitios dominios Phonocordioprom by the month of

1 ectro cordioprom ?touther solvers of the forther relates to conduction of oction potential through every clubuit · An eloctrocordioprom Per a recording of the electrical changes that occur in the myocardium dungt a cordiocoli oper a militari indi i initiali mining Eloictrocardiagram shows the spread of the electrical Stenal generated by the SA node as it traver through the atha, the Ar node and the renthcles.
The normal Ech tracing shows fire works, which have been named P. Q. R. S and T. The Property over the impures from the SA node sweeping over the atha (athai depolarization) The DRS complex represents the New rapid speed or spread of impulse from the Av node through the Average and the electrical Av bundle and the electrical octivity of the ventilicular muscre (ventilicular depolonias) relaxation of the The I work represents the vousemor marcie (nousemor scholawsongon). Normally, the heart rate fall somewhore between 60 to 90 pipins. A heartease ones 100 pipins 12 colled to thy cardia and below 60 bip. M & bradycardia. 0.1.9-0.1.900-0.4.800-

" muly him wood of the = cardiac output: The cardiac output is the amount of pipod societed 11 from reach wonthers show will be to him will be to The ornburt experied by each contraction of oach. rontygier fr ... the plood! nommed 842000 holines. Cardiac output = stroke volume x heartrate !!!) Strain of the first of the first of the strains By the Moint of Pipod and before and beford and beford of pipod in the Arbeitad and beford formal of pipod articles immediately the Moint of pipod and beford on the arbon. Notinue of pipod and present of pipod. Horage the prood ressent Jutarrabyld prood subbrito to hards wight your st. שורים לי המחור שינו לי שור ולוחים לי ברוחים חולות לי ברוחים ביולות ביולות ביולות ביולות ביולות לי ברוחים ביולות ב the strain of her dien asset in the second of the expression in section of the principle of their sections of the second of

Blood proceure by blood on the wall of the bretine skouety prood pressure, artines is known or · Bystolic brood pressure - ventilular contraction · Olastolic Plood - broscore - Nonthelos , Loiaxation Normal B.P - 120/80 mm Hg proseure in blood wessels decreases as distance from hoart incroases. 94 bs essential to record both Bip's at it direr juleamation reductived the status of working heard, Bip vanes from physiological parameters like age, 101 Sex, exercise, botture, 21666 grund suomiour suo Heart (Armies) Capillones 100 10 1 10 m speed-medium wide Speed- 1010 Speed - high Moude - usuom roight - wogine Dx(30x - 100 pressure - modium brestare- pidp brood preseure ~ (Rick factor) factors affecting Agg" Troy coluct Race- (Block people) oposity Hormonal cyanter use of Tobocco are of oxyliging alcopal 100 potaission likelia Genetic faction unwanted pills & pregnancy

Hypotenstion ?-- Hypotenetion je a condition where presente piooq ou mail of arteries le 1010. 34 le also Rupiou at 1000 plood bretense. Here, Systolic Bip - (90 min H) will be will Dlothous Bib - Kgo www HA Symptoms: of cheet pain, shortness of breadth, frequier heartbeat, headche, stiff neck, pointui unnation, Block tarry stook. The state of the s some hypotension which is not chronic that can occident proper lifetyle l'asodification. Some useds to per treated proverd autichypotensine Coup - noradoenaline ste of in literalle, Haring biechsolines to the giet morning dose of Caffeine can laiso hop etc. Arteroscierosis. Artenoscierosie is also known or Artenoscierosis orsease (Asvo) . will be and the series 94 Pe the condition in which thickens at a result of a build-up of a materiais such as cholestrol. Accommunation of choiestrol leads to particular of ortines and which restrict the blood flow, and cause is preventable and treatable condition

Angino pectoms:

Angino choroctenard by chart poin

a medical condition choroctenard by chart poin

usually left sided due to inadequate blood suppy

to the heart museu due to obstruction (file

presence of blood (10+), Narrowing or contraction

(vocosposm) of the suppy coronary arteries.

of permanent damage but treatment must be started within few hours of inforcation occurred.

The imposerdium inforcation (MI), commonly of permanent damage of heart of heart by an embous or through the biococal artery using ciot-discount formation through the biococal artery using ciot-discount of permanent damage but threatment must be started within the biococal artery using ciot-discount of permanent damage but threatment must be started within few hours of inforcation occurred.

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Just Budden grown Ht str.

Discording anti-hydronia. It may

tachycardia - > 100 b.p.m heart rate