MBBS Batch XLIV
System: Respi / CVS System
Correlation Seminar
2082 Jestha

Topic: Pneumonia

S.no.	Hall-A	Hall-B	Objective of presentation.
1	2291	2341	Define broncho-pulmonary segment. Mention different segments present in both lungs.
2	2292	2342	Mention the venous drainage of lung.
3	2293	2343	List the different types of cells of respiratory system & their function.
4	2294	2344	Explain ventilation perfusion ratio? How will a consolidation affect this ratio? Explain the physiological basis of change in percussion note and breath sounds in pneumonic consolidation.
5	2295	2345	Describe the mechanism of control of respiration.
6	2296	2346	Describe mechanism of respiratory acidosis and its compensatory mechanisms.
7	2297	2347	Define pneumonia. Describe the pathogenesis of pneumonia
8	2298	2348	Describe the gross and microscopic features of lobar pneumonia and broncho pneumonia.
9	2299	2349	Outline the organisms causing different types of pneumonia
10	2300	2350	Describe morphology colony characteristics & identification of *Streptococcus pneumoniae*.
11	2301	2351	Explain clinical features & physical findings in pneumonia.
12	2302	2352	Define the objectives of treatment of pneumonia. List the drugs effective against *S. pneumoniae* with mechanism of action of each group of lungs.
13	2303	2353	What steps would you take to lower the prevalence of pneumonia in Nepal?

Date & Time : 2082/2/13 at 10:00 AM
Hall-A : Lecture Hall 110, New academic building
Hall-B : LR3, Basic Science building

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Topic: Influenza

S.no.	Hall-A	Hall-B	Objective of presentation.
1	2304	2354	Mention the boundary of nasal cavity. Describe the lateral wall in detail.
2	2305	2355	List the paranasal sinuses and describe maxillary sinus in detail.
3	2306	2356	Describe interior of larynx and mention briefly its blood supply, lymphatic drainage and sensory nerve supply.
4	2307	2357	Describe the normal defense mechanism of the respiratory system.
5	2308	2358	Describe the mechanism of the sneeze and cough reflex.
6	2309	2359	Describe biological properties and transmission of influenza virus.
7	2310	2360	Describe clinical spectrum of influenza virus infection.
8	2311	2361	Describe pathogenesis of influenza virus.
9	2312	2362	Describe laboratory diagnosis (including molecular methods) diagnosis of influenza virus.
10	2313	2363	List the drugs effective against viral influenza. Mention the spectrum of activity and mechanism of action of each.
11	2314	2364	Describe antigenic shift and antigenic drift in relation to influenza.
12	2315	2365	Describe prevention and control of influenza.

Date & Time : 2080/2/13 at 2:00 PM
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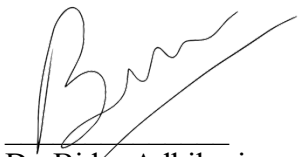

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Topic: Congestive cardiac failure

S.no.	Hall-A	Hall-B	Objective of presentation.
1	2316	2366	List different layers of the wall of the heart and mention its different borders and their extent.
2	2317	2367	Describe the structure of the valves of the heart and mention their positions. (Surface anatomy).
3	2318	2368	Define regional circulation and give examples. Describe coronary circulation. What is autoregulation of blood flow?
4	2319	2369	Define cardiac cycle. Describe the left ventricular, aortic and atrial pressure changed during cardiac cycle.
5	2320	2370	Describe the physiology of the heart valves and mechanism of production of heart sounds in the body.
6	2321	2371	Define cardiac output and heart failure. Describe the mechanisms of heart failure
7	2322	2372	Define preload and afterload. Differentiate left sided and right sided heart failure.
8	2323	2373	Describe the different possible morphological changes seen in the heart in CCF.
9	2324	2374	Outline the laboratory work up of a patient with CCF. Explain the NYHA classification of heart failure.
10	2325	2375	Describe the mechanism of action of different diuretics.
11	2326	2376	List the drugs affecting contractility of heart. Outline their mechanism of action.
12	2327	2377	List the complications of CCF.
13	2328	2378	Describe the levels of prevention. Explain rehabilitation of a patient with CCF.

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Topic: Myocardial infarction

S.no.	Hall-A	Hall-B	Objective of presentation.
1	2329	2379	Explain the microscopic anatomy of blood vessels and how do you differentiate artery and vein histologically. (Describe with well labeled diagram).
2	2330	2380	Describe the major changes that occur with normal aging in the arterial wall in human body.
3	2331	2381	Explain the physiology of Pulmonary Circulation and Coronary Circulation in the body.
4	2332	2382	Classify lipoproteins and describe their lipid and apoprotein composition.
5	2333	2383	Describe the metabolism of Chylomicron and VLDL.
6	2334	2384	Describe the metabolism of LDL and HDL including HDL cycle.
7	2335	2385	Define coronary artery disease. Describe its etiology and pathogenesis.
8	2336	2386	Describe the pathological changes seen in atherosclerosis. List out the complications.
9	2337	2387	Describe the clinical presentation of myocardial infarction and laboratory workup of a patient with suspected MI.
10	2338	2388	Describe the management protocol for MI in use at our hospital.
11	2339	2389	Mention the mechanism of action of different drugs used in MI. List their adverse effects.
12	2340	2390	Classify the complications of MI.

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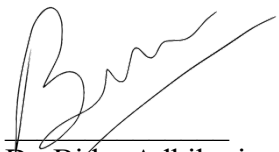

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