

Recently strategy in
renal physiology help
to



**ASSIGN
BUSTER**

Recently there has been instruction in most of the medical colleges to reduce the number of lecture classes and to provide information through active learning strategies.

As active learning environment allows the students to talk, listen, read, write and be engaged in solving problems, it encourages all type of learners in the visual, auditory, kinesthetic and tactile scheme. Renal Physiology is commonly identified as one of the most difficult system in Medical Physiology is due to its overwhelming concepts, formulas and problems. The active learning strategy in renal physiology help to create a vibrant, interactive and interesting atmosphere in the classroom, it will encourage the students to increase their involvement. The present study was undertaken thus to promote active learning in renal physiology class the innovative student learning activity will help to create a vibrant, interactive and interesting atmosphere in the classroom will increase the student involvement. 9.

Detailed description of procedure / processes The current study is planned to conduct on undergraduate first year medical students (n= 150) of Melaka Manipal Medical College, Manipal. The mechanism of tubular functions, component of renal Physiology class will be presented to 150 medical students consisting of 6 lecture classes of 60 minutes each followed by one tutorial session of 2 hours. Guidelines for the tutorials will be given in the last lecture class. So, the whole class will be divided into small groups of 25 students's each of 6 groups. Each will be given one topic from renal system like concept of clearance, Mechanism of reabsorption of substances in PCT, all the formulas in renal physiology, mechanism of water reabsorption, countercurrent mechanism and micturition. Since topics are big we will ask

them to include as many as 15 to 20 students in each group. During tutorial class students will be asked to explain the concept in a role play method. One week time will be given for the preparation of the topic.

So that students in each group will work together, discuss things together and motivate each other. Each group of students will be given 15 to 20 minutes for the role play method of explaining these concepts of renal physiology to the entire class of students and faculty. Following this, a pre-validated questionnaire with 10 questions, on a 4-point Likert scale will be administered to the entire student to understand perceptions of this activity.