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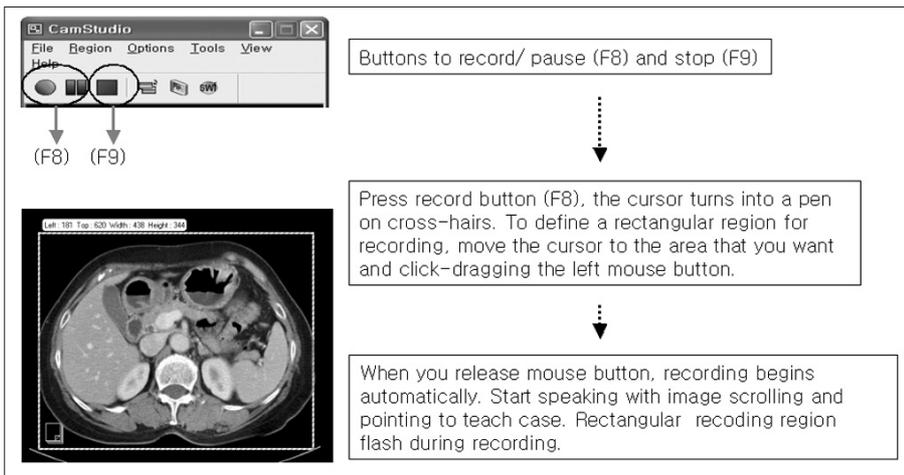
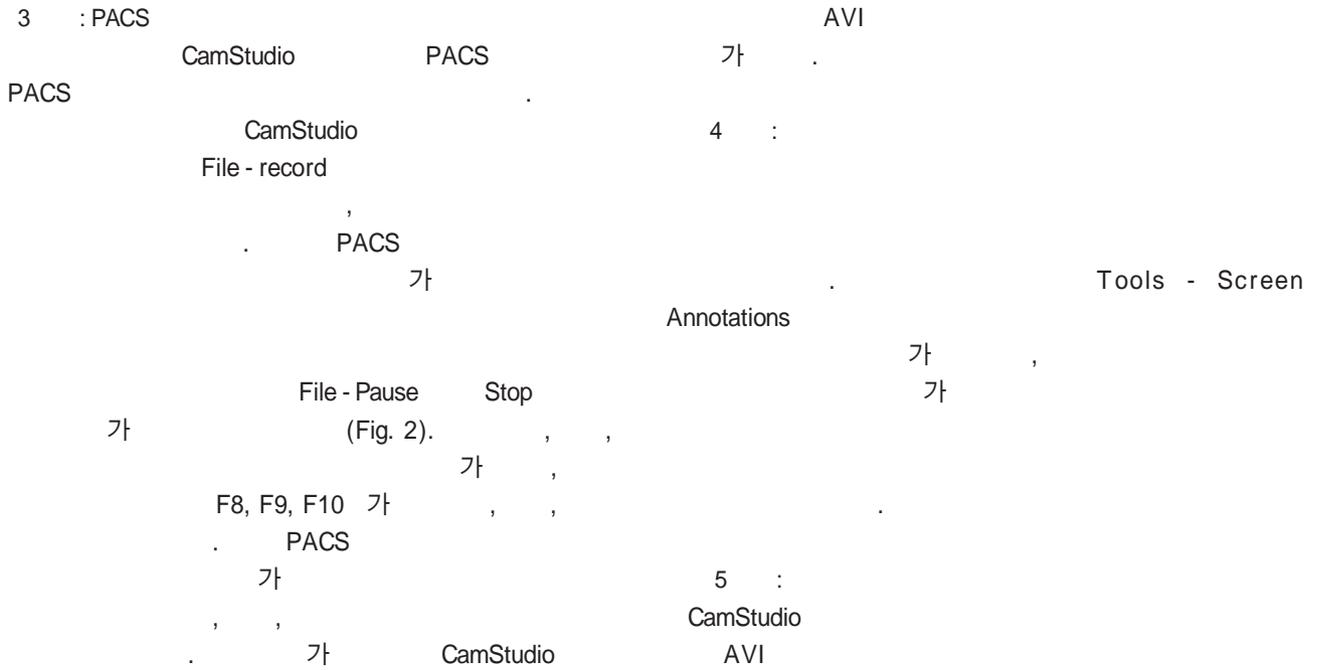


Fig. 2 Flow diagram showing the menu buttons on the CamStudio and the process of recording after pressing record button.

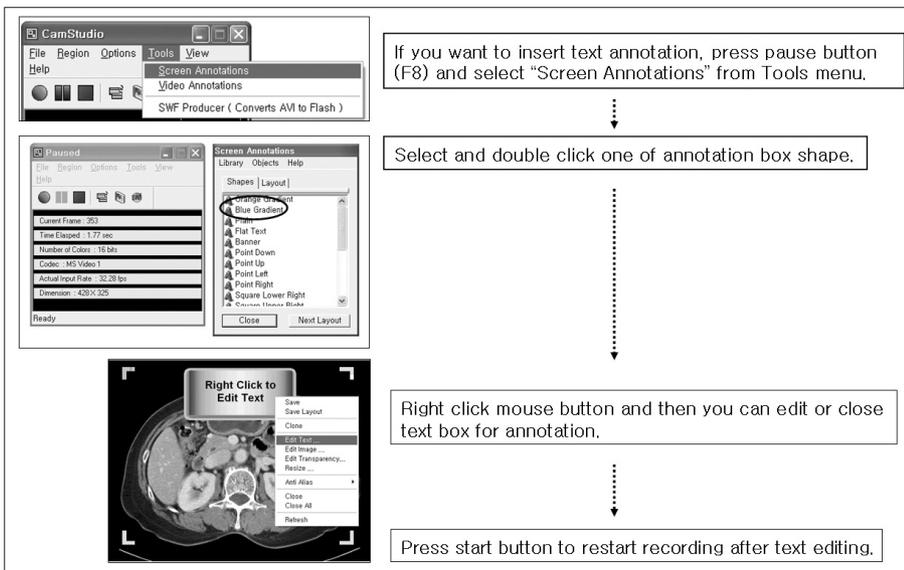


Fig. 3 Flow diagram showing the process of text annotation insertion during screen recording.

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CamStudio video option

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(http://rad.cmc.or.kr/board/list.php?code=study_open),

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CT

A Method for Creating Teaching Movie Clips using Screen Recording Software: Usefulness of Teaching Movies as Self-learning Tools for Medical Students¹

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Purpose: I wanted to describe a method to create teaching movies with using screen recordings, and I wanted to see if self-learning movies are useful for medical students.

Materials and Methods: Teaching movies were created by direct recording of the screen activity and voice narration during the interpretation of educational cases; we used a PACS system and screen recording software for the recording (CamStudio, Rendsersoft, U.S.A.). The usefulness of teaching movies for self-learning of abdominal CT anatomy was evaluated by the medical students.

Results: Creating teaching movie clips with using screen recording software was simple and easy. Survey responses were collected from 43 medical students. The contents of teaching movie was adequately understandable (52%) and useful for learning (47%). Only 23% students agreed that these movies helped motivated them to learn. Teaching movies were more useful than still photographs of the teaching image files. The students wanted teaching movies on the cross-sectional CT anatomy of different body regions (82%) and for understanding the radiological interpretation of various diseases (42%).

Conclusion: Creating teaching movie by direct screen recording of a radiologist's interpretation process is easy and simple. The teaching video clips reveal a radiologist's interpretation process or the explanation of teaching cases with his/her own voice narration, and it is an effective self-learning tool for medical students and residents.

Index words : Education

Computers, educational aid

Picture archiving and communication system (PACS)

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