## Comparisons of the Learning Styles Among Medical Students of Different Application Methods

Hsiang-Chin Hsu, MD, MSc; Hsin-I Shih, MD, MPH; Yu Chiao Huang; Chih-Hsien Chi, MD; Chih-Hao Lin, MD; Wei-Jen Yao, MD

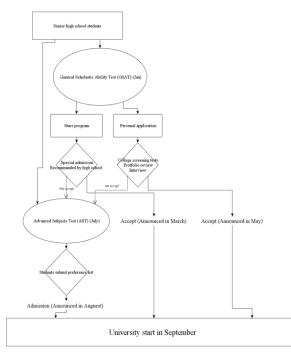
Department of Emergency Medicine, National Cheng Kung University Hospital, National Cheng Kung University

## Background

A learning style is the complex manner in which learners prefer in learning materials most efficiently and effectively. Learning style is a good predicator for individual's preferred learner's learning behaviors. The identification of learner's learning styles helps educational planners and teachers provide learners necessary educational support and design. However, there are limited study of medical students' learning patterns which is compared between different admission methods to medical college. The study was to explore the status of new medical students' learning patterns.

## Methods

This is a retrospective questionnaire-based analysis of learning style in new enrolled medical students. Memletic Learning Style Inventory (LSI) was provided for medical students those who entered the college in three academic years from September 2014 (academic year 2014) to September 2016 (academic year 2016). The seven types of learning style were analyzed.



	Academic year 2014 N=77	Academic year 2015 N=77	Academic year 2016 N=86
Gender			
Male	46	49	59
Female	31	28	27
University Admission Method			
Examination (%)	32	26	29
Application (%)	40	40	33
Others (%)	5	11	24

	Academic year 2014		Academic year 2015		Academic year 2016		Total		
	Examinatio	Application	Examination	Application	Examination	Application	Examination	Application	Р
	n (N=32)	( N=40 )	( N=26 )	( N=40 )	( N=29 )	( N=33 )	( N=87 )	( N=113 )	value
Visual	2	2	0	6	1	4	3	12	0.016
Aural	9	13	4	9	5	9	18	31	0.139
Verbal	0	9	2	1	0	3	2	13	0.016
Physical	0	2	0	5	0	2	0	9	0.007
Logical	6	10	6	4	13	4	25	18	0.019
Social	9	11	8	16	7	10	24	37	0.303
Solitary	9	10	8	7	6	10	23	27	0.373

## Conclusion

The learning styles of medical students was different between different admission methods. This study can provide us a better understanding of the student learning patterns to helps educational planners and teachers provide learners necessary educational support and design learner-specific courses and effective curriculum.

