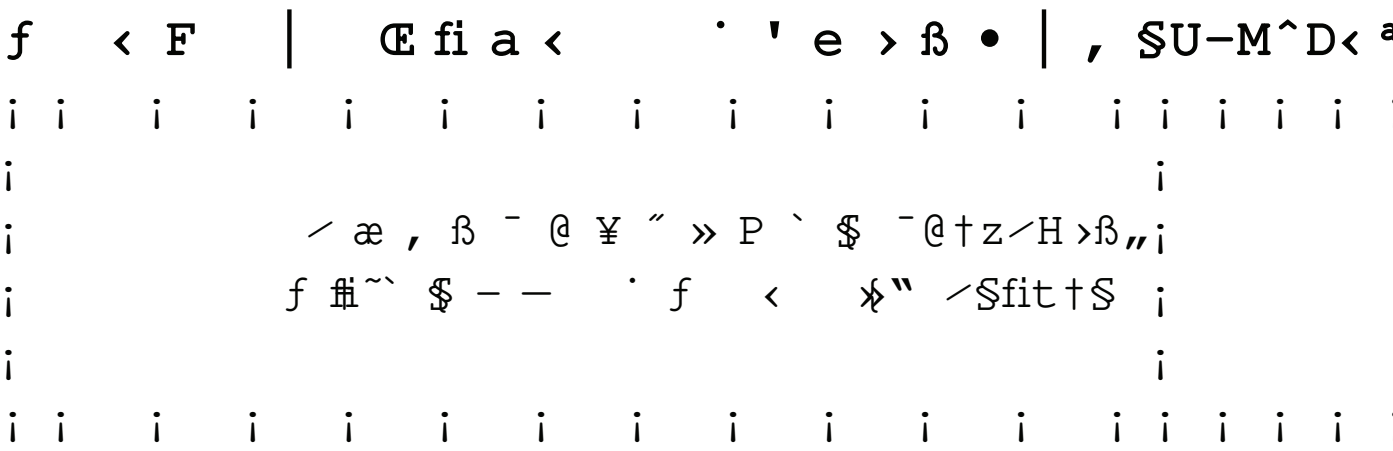

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Abstract:

This study was a cross-sectional survey. Data collected from both staff nurses (n=888) who worked in the teaching hospitals in Taipei area, and matching student nurses (n=947) who practiced in these hospitals. The purpose of this study was to explore the effective clinical teaching behaviors of staff nurse and to compare the difference between the staff nurse's and student nurse's cognition and perceptions .

The Effective Clinical Teaching Behaviors Scale (ECTBS), which was developed by researcher, was used to assess staff nurses' clinical teaching behaviors. The principal component's factor analysis with Oblimin rotation tested the construct validity. The results showed that ECTBS has a clear factor structure with four factors, which named "teaching ability" "nursing competency" "personal characteristic" and "interpersonal relationships". The internal consistency reliability was accepted(α = 0.87~0.94). The major findings of this study were as follows: 1.The mean of staff nurse's cognition of effective clinical teaching behaviors was 4.11 and the mean of student nurse's was 4.24. 2.The mean of staff nurse's perceptions of her own teaching behaviors was 3.92 and the mean of student nurse's was 3.59. 3.There was significant difference between staff nurse's and student nurse's cognition and perceptions on four Factors. 4.There was significant difference between staff nurse's cognition and perceptions on four Factors. 5.There was significant difference between student nurse's cognition and perceptions on four Factors.

Keywords: nursing education, clinical teaching, effective clinical teaching behaviors, staff nurse, student nurse

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graduates. Journal of Advanced Nursing,
10, 25-30.

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(1)⁄ «O¶Ii(1999)· Ł ¡"SPSS» P ƒ ‹‹ (18)Lynn,M.R.¡]1986¡^.Determination and
‹ ªs¡ A ¥ x ¥ _ G⁄ †z¡C quantification of Content validity.
(2)⁄ ¤ „S(1991)·ƒ ł fi ˜ » P L fi "" ` {S Nursing Research,35¡]6¡^,382~385¡C
ƒ ‹ ·¥ ¥ œ@–M Ł¡A9¡A84-91¡C (19)Nehring,V.(1990).Nursing clinical teacher
(3)S ı fi¥(1991)·– q ¯ @ ¥ ˝ ` { S „Œ† fi ˜"G‰ effectiveness inventory¡GA replication study
¯ @ † z ` $ ·¯ @z´ Ł x¡A8(1)¡A47-55¡C of the characteristics of “best” and “worst”
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fl ⁄"R¯ @z´ Ł x¡A9(2)¡A101-113. faculty and students. Journal of Advanced
(5)S ı ⁄¥(1992)·› « › n " " ` { S–· ·ƒ(20) Nursing, 15, 934-940.
¯ @ † z Ł»¡A(2)¡A21-25¡C O’shea,H.S., & Parsons,M.K.(1979).
(6)› "..(1992)·¯ @ † z ` { S – fiv † Clinical instruction ¡G effective and
ƒ ‹ flS‰Ł @z´ Ł x,39(2)¡A27-32¡C ineffective teacher behaviors. Nursing
(7)› "..(1994)·¯ @ † z ⁄ H › ß ƒ p ¤ S U {S Outlook, 79(6), 411-415.
– —·¯ @z´ Ł x¡A41(2)¡A38-41¡C (21)Peirce,A.G.(1991).Perceptorial students’
(8)‚ › d†(1991)·¯ @ † z – — ¤ | ⁄ >{S „Œ† view of their clinical experience. Journal
¥ "".¯ @z´ Ł x¡A38(1)¡A41-45¡C of Nursing Education, 30(6), 244-250.
(9)– iA(1994)·¯ @ † z – — fi v ƒ p ƒS ¶i {S (22)Rauen,K.C. ¡] 1974 ¡^ .The clinical
‹ ·¯ @z´ Ł x¡A41(2)¡A32-37¡C instructor as role model. Journal of
(10)˜ ‹ ˜ R · … Þ ł(1993)·‹ Y´ – M @¥˝„Œ Nursing Education, 13(8), 33-38.
† £ ⁄ Ø S—fiƒ · ¶I¥„ Œ· ¯ @ Ł‹ ª (23)Reeve,M.M.¡]1994¡^.Development of an
¤ ªA1(2)¡A166-175¡C instrument to measure effectiveness of
(11)` ´ … ¥ 1994¡^¡E † s„tE¥›¿P –¤| clinical instructors. Journal of Nursing
† ¿ p ¡]› › q ⁄ › " ' ¡ ^ E ¡"¶fl¡G·_ Education, 33(1), 15-20.
(12)Bergman,K.&Gaitskill,T¡]1990¡^.Faculty (24)Sieh,S., & Bell,S.K.(1994). Perceptions
and students’ perceptions of effective of effective clinical teachers in associate
clinical teacher, an extension degree programs. Journal of Nursing
study.Journal of Professional Nursing, 6, Education, 33(4)¡A389-394.
33-44. (25)Windsor,A.(1987). Nursing Students’
(13)Brown,S.T.¡]1981¡^.Faculty and student perceptions of clinical experience. Journal
perceptions of effective clinical teachers. of Nursing Education, 26(4), 150-154.
Journal of Nursing Education, 20(9), 4-15. (26)Wiseman,R.F. ¡] 1994 ¡^ .Role model
(14)Fong,C.M., & McCauley,G.T¡]1993¡^. behaviors in the clinical setting. Journal of
Measuring the nursing, teaching, and Nursing Education, 33(9), 405-410.
interpersonal effectiveness of clinical (27)Zimmerman,L.,&Waltman,L.(1986).
instructors. Journal of Nursing Education, Effective clinical behaviors of faculty¡GA
32(7), 325-328. review of the literature. Nurse Educator,
(15)Kaiser, H.F¡]1974¡^.An index of factorial 11, 31-34.
simplicity.Psychometrika¡A39¡A31~36¡C (28)Zimmerman,L.,& Westfall,J¡]1988¡^.The
(16)Kiker,M¡]1973¡^.Characteristics of the development and validation of a scale
effective teacher behaviors as percevied measuring effective clinical teaching
by university nursing faculty, students behaviors. Journal of Nursing Education,
and graduates. Journal of Advanced 27(6)¡A274-275.
Nursing,10, 25-30.
(17)Knox,J.E. & Mogan,J¡]1985¡^.Important