

## Supplementary file 5. Excluded full text articles and main reason for exclusion

1.	Not been able to retrieve full text of this study
2.	Study is about influencing factors, interventions, organizational models, personal characteristics affecting learning instead of the learning process itself
3.	Study is not about learning/ not possible to separate findings about learning from other findings
4.	No original study or review
5.	Study is incomplete (eg no results)
6.	Study is about a research methodology
7.	Another study within the same project is already included, this study offers no additional findings
8.	Study is too specific
9.	Study is not about clinical practice/ not possible to separate findings about clinical practice from other findings
10.	Study is not about nursing students/not about hospital setting

	1	2	3	4	5	6	7	8	9	10
Abe (1977)	x									
Allan, Smith, and O'Driscoll (2011)		x								
Alves and Cogo (2014)			x							
Andrade Bezerra, Soares Campos, and Da Silveira (2005)	x									
Arlton and Miercort (1980)				x						
Arrigoni et al. (2017)				x						
Baldwin, Mills, Birks, and Budden (2014)		x								
Barry, Ward, and Walter (2017)						x				
Brackenreg (2004)		x								
Burnard (1991)				x						
Burnard (1992)							x			
Charneia (2007)	x									
Coetzee (2004)								x		
Cope, Cuthbertson, and Stoddart (2000)		x								
Corbett (1973)		x								
Cowman (1998)		x								
Crouch (1991)	x									
Cullingford (1991)	x									
de Jesus, Sena, and Andrade (2014)									x	
de Jesus et al. (2014)		x								
Durgante Alves and Petersen Cogo (2015)			x							
Edwards (2013)						x				
Egginton (2002)	x									
Endacott, Scholes, Freeman, and Cooper (2003)		x								
Evans (1987)				x						
Friedman (1981)	x									
Green and Holloway (1997)						x				
Hauge (1999)	x									
Hauge (1999)	x									
Henderson et al. (2018)		x								
Henderson et al. (2018)	x									
Hill (2016)			x							
Hold, Blake, and Ward (2015)									x	
Holmsen (2010)		x								
Ironside, McNelis, and Ebright (2014)			x							

Kosowski (1995)									x	
Kuiper (2004)		x								
Levett-Jones (2007)				x						
Love (1996)		x								
MacFarlane and Hart (1995).				x						
May and Veitch (1998)		x								
Montagna, Benaglio, and Zannini (2010)		x								
More and Conklin (1995)		x								
Newton, Billett, and Ockerby (2009)		x								
Nolan (1998)				x						
O'Shea (2003)									x	
Paliadelis and Wood (2016)		x								
Papp, Markkanen, and Von Bonsdorff (2001)	x									
Poliifroni, Packard, Shah, and MacAvoy (1995)				x						
Rajeswaran (2016)		x								
Reutter, Field, Campbell, and Day (1997)				x						
Rodríguez García, Ruiz López, González Sanz, Fernández Trinidad, and De Blas Gómez (2014)				x						
Sandvik et al. (2012)		x								
Shahsavari, Zare, Parsa-Yekta, Griffiths, and Vaismoradi (2018)				x						
Shin (2000)										x
Shirazi, Sharif, Molazem, and Alborzi (2017)									x	
Skaalvik, Normann, and Henriksen (2010)		x								
Smith and Morrison (2006).										x
Spouse (2001)				x						
Tagliareni (1991)	x									
Thrysoe, Hounsgaard, Dohn, and Wagner (2010).				x						
Tupala, Tossavainen, and Turunen (2004)										x
Vesanto and Munnukka (1996)	x									
Wilson (1994)				x						
Wong and Lee (2000)										x
Zhao, Kuan, Chung, Chan, and Li (2018).							x			

- Abe, Y. (1977). [The nursing student in the hospital ward--her activities and learning process]. *Kango Tenbo*, 2(10), 18-22.
- Allan, H. T., Smith, P., & O'Driscoll, M. (2011). Experiences of supernumerary status and the hidden curriculum in nursing: a new twist in the theory-practice gap? *J Clin Nurs*, 20(5-6), 847-855. doi:10.1111/j.1365-2702.2010.03570.x
- Alves, E. A., & Cogo, A. L. (2014). [Nursing students' perception of the learning process in a hospital setting]. *Rev Gaucha Enferm*, 35(1), 102-109.
- Andrade Bezerra, M. G., Soares Campos, A. D., & Da Silveira, I. P. (2005). Teaching learning: critical view of nursing undergraduate students. *Enfermagem Atual*, 5(25), 23-26.
- Arlton, D. M., & Miercort, O. S. (1980). A nursing clinic: the challenge for student learning opportunities. *J Nurs Educ*, 19(1), 53-58.
- Arrigoni, C., Grugnetti, A. M., Caruso, R., Gallotti, M. L., Borrelli, P., & Puci, M. (2017). Nursing students' clinical competencies: a survey on clinical education objectives. *Ann Ig*, 29(3), 179-188. doi:10.7416/ai.2017.2145
- Baldwin, A., Mills, J., Birks, M., & Budden, L. (2014). Role modeling in undergraduate nursing education: an integrative literature review. *Nurse Educ Today*, 34(6), e18-26. doi:10.1016/j.nedt.2013.12.007

- Barry, S., Ward, L., & Walter, R. (2017). Exploring Nursing Students' Experiences of Learning Using Phenomenography: A Literature Review. *J Nurs Educ*, *56*(10), 591-598. doi:10.3928/01484834-20170918-03
- Brackenreg, J. (2004). Issues in reflection and debriefing: how nurse educators structure experiential activities. *Nurse Educ Pract*, *4*(4), 264-270. doi:10.1016/j.nepr.2004.01.005
- Burnard, P. (1991). Perceptions of experiential learning. *Nurs Times*, *87*(8), 47.
- Burnard, P. (1992). Defining experiential learning: nurse tutors' perceptions. *Nurse Educ Today*, *12*(1), 29-36.
- Charneia, E. (2007). Nursing students' perceptions of role modeling as it relates to learning in the clinical environment. *Ph.D.*, 307 p-307 p.
- Coetzee, M. (2004). Learning to nurse children: towards a model for nursing students. *J Adv Nurs*, *47*(6), 639-648. doi:10.1111/j.1365-2648.2004.03152.x
- Cope, P., Cuthbertson, P., & Stoddart, B. (2000). Situated learning in the practice placement. *J Adv Nurs*, *31*(4), 850-856.
- Corbett, D. (1973). Student nurses share in clinical learning. *Can Nurse*, *69*(11), 21.
- Cowman, S. (1998). The approaches to learning of student nurses in the Republic of Ireland and Northern Ireland. *J Adv Nurs*, *28*(4), 899-910.
- Crouch, S. (1991). The value of clinical learning. *Nursing (Lond)*, *4*(32), 9-11.
- Cullingford, S. (1991). Learning from experience. *Senior Nurse*, *11*(6), 25-28.
- de Jesus, I. S., Sena, E. L., & Andrade, L. M. (2014). Learning in the informal spaces and re-signification of the existence of undergraduate students of nursing. *Rev Lat Am Enfermagem*, *22*(5), 731-738.
- Durgante Alves, E. A. T., & Petersen Cogo, A. L. (2015). NURSING STUDENTS' PERCEPTION OF THE LEARNING PROCESS IN A HOSPITAL SETTING. *Rev Gaucha Enferm*, *36*(1), 102-109. doi:10.1590/1983-1447.2014.01.42870
- Edwards, S. L. (2013). Learning from Practice: the Value of Story in Nurse Education. *Ph.D.*, N.PAG p-N.PAG p.
- Egginton, D. (2002). Learning from experience: a first-year student reflects. *Paediatr Nurs*, *14*(10), 30-31.
- Endacott, R., Scholes, J., Freeman, M., & Cooper, S. (2003). The reality of clinical learning in critical care settings: a practitioner:student gap? *J Clin Nurs*, *12*(5), 778-785.
- Evans, N. (1987). Quest: Learning from experience. *Nurs Times*, *83*(42), 49-50.
- Friedman, F. B. (1981). Learning by doing. *J Pract Nurs*, *31*(6), 20-23.
- Green, A. J., & Holloway, D. G. (1997). Using a phenomenological research technique to examine student nurses' understandings of experiential teaching and learning: a critical review of methodological issues. *J Adv Nurs*, *26*(5), 1013-1019.
- Hauge, K. W. (1999). To perceive and to be perceived. *Nordic Journal of Nursing Research & Clinical Studies / Vård i Norden*, *19*(2), 37-41.
- Henderson, A., Harrison, P., Rowe, J., Edwards, S., Barnes, M., Henderson, S., & Henderson, A. (2018). Students take the lead for learning in practice: A process for building self-efficacy into undergraduate nursing education. *Nurse Educ Pract*, *31*, 14-19. doi:10.1016/j.nepr.2018.04.003
- Hill, L. A. (2016). Telling their stories: Using Appreciative Inquiry to explore the lived experience of students in clinical nursing education. *Telling Their Stories: Using Appreciative Inquiry to Explore the Lived Experience of Students in Clinical Nursing Education*, 1-1.
- Hold, J. L., Blake, B. J., & Ward, E. N. (2015). Perceptions and experiences of nursing students enrolled in a palliative and end-of-life nursing elective: A qualitative study. *Nurse Educ Today*, *35*(6), 777-781. doi:10.1016/j.nedt.2015.02.011
- Holmsen, T. L. (2010). Influences on nursing students' confidence and learning in clinical practice. *Nordic Journal of Nursing Research & Clinical Studies / Vård i Norden*, *30*(1), 24-28.
- Ironside, P. M., McNelis, A. M., & Ebright, P. (2014). Clinical education in nursing: rethinking learning in practice settings. *Nurs Outlook*, *62*(3), 185-191. doi:10.1016/j.outlook.2013.12.004

- Kosowski, M. M. (1995). Clinical learning experiences and professional nurse caring: a critical phenomenological study of female baccalaureate nursing students. *J Nurs Educ*, *34*(5), 235-242.
- Kuiper, R. A. (2004). Nursing reflections from journaling during a perioperative internship. *Aorn j*, *79*(1), 195-198, 201-196, 209-112 passim.
- Levett-Jones, T. L. (2007). Facilitating reflective practice and self-assessment of competence through the use of narratives. *Nurse Educ Pract*, *7*(2), 112-119. doi:10.1016/j.nepr.2006.10.002
- Love, C. (1996). Using a diary to learn the patient's perspective. *Prof Nurse*, *11*(5), 286-288.
- MacFarlane, E., & Hart, J. D. (1995). Self-directed learning experiences for senior BScN students. *Can Nurse*, *91*(10), 17.
- May, N., & Veitch, L. (1998). Working to learn and learning to work: placement experience of Project 2000 nursing students in Scotland. *Nurse Educ Today*, *18*(8), 630-636.
- Montagna, L., Benaglio, C., & Zannini, L. (2010). [Reflective writing in nursing education: background, experiences and methods]. *Assist Inferm Ric*, *29*(3), 140-152.
- More, P., & Conklin, J. (1995). Investigating student learning: the Katz-Henry model. *J Nurs Educ*, *34*(3), 143-144.
- Newton, J. M., Billett, S., & Ockerby, C. M. (2009). Journeying through clinical placements--an examination of six student cases. *Nurse Educ Today*, *29*(6), 630-634. doi:10.1016/j.nedt.2009.01.009
- Nolan, C. A. (1998). Learning on clinical placement: the experience of six Australian student nurses. *Nurse Educ Today*, *18*(8), 622-629.
- O'Shea, E. (2003). Self-directed learning in nurse education: a review of the literature. *J Adv Nurs*, *43*(1), 62-70.
- Paliadelis, P., & Wood, P. (2016). Learning from clinical placement experience: Analysing nursing students' final reflections in a digital storytelling activity. *Nurse Educ Pract*, *20*, 39-44. doi:10.1016/j.nepr.2016.06.005
- Papp, I., Markkanen, M., & Von Bonsdorff, M. (2001). Student, teacher, mentor -- student nurses learning experiences in clinical practice. *Sairaanhoitaja*, *74*(8), 26-29.
- Polifroni, E. C., Packard, S. A., Shah, H. S., & MacAvoy, S. (1995). Activities and interactions of baccalaureate nursing students in clinical practice. *J Prof Nurs*, *11*(3), 161-169.
- Rajeswaran, L. (2016). Clinical Experiences of Nursing Students at a Selected Institute of Health Sciences in Botswana. *Health Science Journal*, *10*(6), 1-6. doi:10.21767/1791-809X.1000471
- Reutter, L., Field, P. A., Campbell, I. E., & Day, R. (1997). Socialization into nursing: nursing students as learners. *J Nurs Educ*, *36*(4), 149-155.
- Rodríguez García, M., Ruiz López, M., González Sanz, P., Fernández Trinidad, M., & De Blas Gómez, I. (2014). Life experiences of the student nursing 4th in the practicum. *Cultura de los Cuidados*, *18*(38), 25-33.
- Sandvik, A.-H., Melender, H.-L., Jonsén, E., Jönsson, G., Salmu, M., & Hilli, Y. (2012). Nursing students' experiences of the first clinical education-a nordic quantitative study. *Nordic Journal of Nursing Research & Clinical Studies / Vård i Norden*, *32*(3), 20-25.
- Shahsavari, H., Zare, Z., Parsa-Yekta, Z., Griffiths, P., & Vaismoradi, M. (2018). Learning Situations in Nursing Education: A Concept Analysis. *Res Theory Nurs Pract*, *32*(1), 23-45. doi:10.1891/0000-000y.32.1.23
- Shin, K. R. (2000). The meaning of the clinical learning experience in Korean nursing students. *Journal of Nursing Education*, *39*(6), 259-265.
- Shirazi, F., Sharif, F., Molazem, Z., & Alborzi, M. (2017). Dynamics of self-directed learning in M.Sc. nursing students: A qualitative research. *J Adv Med Educ Prof*, *5*(1), 33-41.
- Skaalvik, M. W., Normann, H. K., & Henriksen, N. (2010). To what extent does the oral shift report stimulate learning among nursing students? A qualitative study\*. *J Clin Nurs*, *19*(15-16), 2300-2308. doi:10.1111/j.1365-2702.2010.03217.x
- Smith, P., & Morrison, J. (2006). Clinical clerkships: students can structure their own learning. *Med Educ*, *40*(9), 884-892. doi:10.1111/j.1365-2929.2006.02546.x

- Spouse, J. (2001). Workplace learning: pre-registration nursing students' perspectives. *Nurse Educ Pract*, 1(3), 149-156. doi:10.1054/nepr.2001.0024
- Tagliareni, E. (1991). What and how of student learning activities. *NLN Publ*(15-2411), 65-91.
- Thrysoe, L., Hounsgaard, L., Dohn, N. B., & Wagner, L. (2010). Participating in a community of practice as a prerequisite for becoming a nurse - Trajectories as final year nursing students. *Nurse Educ Pract*, 10(6), 361-366. doi:10.1016/j.nepr.2010.05.004
- Tupala, M., Tossavainen, K., & Turunen, H. (2004). PHN students' target levels of competencies in children and adolescents' nursing. *Hoitotiede*, 16(3), [98]-110.
- Vesanto, A., & Munnukka, T. (1996). Work as student primary nurse in promoting professional skills of student nurses. *Hoitotiede*, 8(1), 20-28.
- Wilson, M. E. (1994). Nursing student perspective of learning in a clinical setting. *J Nurs Educ*, 33(2), 81-86.
- Wong, F. K. Y., & Lee, W. M. (2000). A phenomenological study of early nursing experiences in Hong Kong. *J Adv Nurs*, 31(6), 1509-1517. doi:10.1046/j.1365-2648.2000.01433.x
- Zhao, Y., Kuan, H. K., Chung, J. O. K., Chan, C. K. Y., & Li, W. H. C. (2018). Students' approaches to learning in a clinical practicum: A psychometric evaluation based on item response theory. *Nurse Educ Today*, 66, 179-186. doi:10.1016/j.nedt.2018.04.015