

Table 1. Summary table on the included studies that reported on OSCE in nursing education (n=204)

No	Author	Year	Country	Study Site	Participant	Subject	References
1.	Van Niekerk & Lombard	1982	South Africa	University	Undergraduate nursing students in the B.Cur (pre-registration) nursing program	First year nursing skills and knowledge	Van Niekerk, J. G. P., & Lombard, S. A. (1982). The OSCE-experiment at MEDUNSA. <i>Curationis</i> , 5(1), 44-48.
2.	Garde	1984	South Africa	University	Nursing students in the B.Cur (pre-registration) nursing program (Year 3)	Primary Health Care (PHC) nursing examinations	Garde, P. M. (1984). Evaluation of the OSCE in the primary health care situation. <i>Curationis</i> , 7(4), 36-37.
3.	McKnight et al.	1987	Canada, Ontario	University (McMaster)	BSN students - Year 3 (pre-registration) program & post-diploma BSN program - Year 1	Primary care component for Year 3 clinical course	McKnight, J., Rideout, E., Brown, B., Ciliska, D., Patton, D., Rankin, J., & Woodward, C. (1987). The objective structured clinical examination: an alternative approach to assessing student clinical performance. <i>Journal of Nursing Education</i> , 26(1), 39-41.
4.	Ross et al.	1988	Canada, Ontario	University (University of Ottawa)	BSN students undertaking the nursing neurological examination (Final-year)	Neurological nursing examination	Ross, M., Carroll, G., Knight, J., Chamberlain, M., Fothergill-Bourbonnais, F., & Linton, J. (1988). Using the OSCE to measure clinical skills performance in nursing. <i>Journal of Advanced Nursing</i> , 13(1), 45-56.
5.	Fahy & Lumby	1988	Australia	College	Nursing students	Nursing skills	Fahy, K., & Lumby, J. (1988). Clinical assessment in a college program. <i>The Australian journal of advanced nursing: a quarterly publication of the Royal Australian Nursing Federation</i> , 5(4), 5.
6.	Roberts & Brown	1990	Canada, Ontario	University (McMaster)	BSN students - Year 1 and 3	NR	Roberts, J., & Brown, B. (1990). Testing the OSCE: a reliable measurement of clinical nursing skills. <i>The Canadian journal of nursing research/Revue canadienne de recherche en sciences infirmieres</i> , 22(1), 51.
7.	Vatsa	1990	India	College	Nursing students	First aid	Vatsa, M. (1990). OSCE: an experience in first-aid examination of nursing students.

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8.	Bujack, McMillan, & Hazelton	1991 a, 1991 b*	Australia	University (University of Western Sydney)	BN students - Year 3	Mental Health and High Dependency care	Bujack, L., McMillan, M., Dwyer, J., & Hazelton, M. (1991a). Assessing comprehensive nursing performance: the Objective Structural Clinical Assessment (OSCA) Part 1—Development of the assessment strategy. <i>Nurse Education Today</i> , 11(3), 179-184. Bujack, L., McMillan, M., Dwyer, J., & Hazelton, M. (1991b). Assessing comprehensive nursing performance: the Objective Structured Clinical Assessment (OSCA) Part 2—Report of the evaluation project. <i>Nurse Education Today</i> , 11(4), 248-255.
9.	Reed	1992	Canada	University	Undergraduate nursing students	Nursing competencies	Reed, S. (1992) Canadian competence... two methods of student assessment... objective structured clinical examination (OSCE)... triple jump.
10.	Borbasi & Koop	1993	Australia	College	Nursing students	Nursing skills	Borbasi, S. A., & Koop, A. (1993). The objective structured clinical examination: its application in nursing education. <i>Australian Journal of Advanced Nursing</i> , 11, 33-33.
11.	Bramble	1994	USA, California	University (Cal. State University)	NP/APN students	NP program clinical course work (hypertension, UTI, chest pain and diabetes)	Bramble, K. (1994). Nurse practitioner education: Enhancing performance through the use of the Objective Structured Clinical Assessment. <i>Journal of Nursing Education</i> , 33(2), 59-65.
12.	van Aswegen & Basson	1994	South Africa	College	Nursing students	NR	van Aswegen, E. J., & Basson, A. A. (1994). Clinical evaluation and the OSCE (Objective Structured Clinical Evaluation). <i>Curationis</i> , 17(1), 32-37.
13.	O'Neill & McCall	1996	United Kingdom, Scotland	University	BN students - Year 2 and 3	NR	O'Neill, A., & McCall, J. M. (1996). Objectively assessing nursing practices: a curricular development. <i>Nurse Education Today</i> , 16(2), 121-126.
14.	Li, Chen, & Zhong	1996	China, Beijing	University	BSN students (Final-year)	All components	Li, X. Q., Chen, S. K., & Zhong, H. W. (1996). Study on objective structured clinical assessment. <i>Zhonghua hu li za</i>

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							zhi=Chinese journal of nursing, 31(11), 660.
15.	Nicol & Freeth	1998	United Kingdom, London	University (City University)	Diploma nursing students	Basic nursing skills covered in the Common Foundation Program	Nicol, M., & Freeth, D. (1998). Assessment of clinical skills: a new approach to an old problem. <i>Nurse Education Today</i> , 18(8), 601-609.
16.	Prakash	1999	India	College	Nursing students	Nursing skills	Prakash, R. (1999). Undergraduate nursing evaluation. The OSCE approach. <i>The Nursing journal of India</i> , 90(5), 101.
17.	Khattab & Rawlings	2001	United Kingdom	University (Bournemouth University)	NP/APN students (Year 1)	Physical examination module	Khattab, A. D., & Rawlings, B. (2001). Assessing nurse practitioner students using a modified objective structured clinical examination (OSCE). <i>Nurse Education Today</i> , 21(7), 541-550.
18.	Walters & Adams	2002	United Kingdom, London	University (King's College London)	Diploma nursing students (Child Health Branch)	Child health module - Assessment and intervention module	Walters, J., & Adams, J. (2002). A child health nursing objective structured clinical examination (OSCE). <i>Nurse Education in Practice</i> , 2(4), 224-229.
19.	Govaerts, van der Vleuten, & Schuwirth	2002	The Netherlands	College (Midwifery School)	Midwifery students (Year 3 and 4)	Midwifery skills	Govaerts, M. J., Van der Vleuten, C. P., & Schuwirth, L. W. (2002). Optimising the reproducibility of a performance-based assessment test in midwifery education. <i>Advances in Health Sciences Education</i> , 7(2), 133.
20.	Anderson & Stickley	2002	United Kingdom	University (University of Nottingham)	MN nursing students undertaking the mental health module (MN-preregistration)	Interpersonal skills (mental health module)	Anderson, M., & Stickley, T. (2002). Finding reality: the use of objective structured clinical examination (OSCE) in the assessment of mental health nursing students' interpersonal skills. <i>Nurse Education in Practice</i> , 2(3), 160-168.
21.	Alinier	2003	United Kingdom	University (University of Hertfordshire)	Diploma nursing students (Year 2 and Year 3)	Varied nursing skills	Alinier, G. (2003). Nursing students' and lecturers' perspectives of objective structured clinical examination incorporating simulation. <i>Nurse Education Today</i> , 23(6), 419-426.

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22.	Cullen, Fraser, & Symonds	2003	United Kingdom	University (University of Nottingham)	Midwifery students (Final-year)	Interprofessional education (obstetrics and gynaecology)	Cullen, L., Fraser, D., & Symonds, I. (2003). Strategies for interprofessional education: the Interprofessional Team Objective Structured Clinical Examination for midwifery and medical students. <i>Nurse Education Today</i> , 23(6), 427-433.
23.	Alinier, Hunt & Gordon	2004	United Kingdom	University (University of Hertfordshire)	Diploma nursing students (Year 2)	Varied nursing skills	Alinier, G., Hunt, W. B., & Gordon, R. (2004). Determining the value of simulation in nurse education: study design and initial results. <i>Nurse education in practice</i> , 4(3), 200-207.
24.	Brooks	2004	United Kingdom	University	NP/APN students	Advanced nursing skills in resuscitation and stabilisation of the newborn	Brooks, G. (2004). Assessment of student Advanced Neonatal Nurse Practitioners in resuscitation and stabilisation of the newborn: The use of the Objective Structured Clinical Examination. <i>Journal Of Neonatal Nursing</i> , 10, 184-190.
25.	McGaughey	2004	United Kingdom, Northern Ireland	University (Queen Belfast University)	Nurses undertaking specialty course (ICU/HDU)	Intensive care/high dependency unit skills	McGaughey, J. (2004). Standardizing the assessment of clinical competence: an overview of intensive care course design. <i>Nursing in Critical Care</i> , 9(5), 238-246.
26.	Baez, Eckert-Norton, & Morrison	2004	USA, New York	University	Undergraduate nursing students	Management of substance abuse	Baez, A., Eckert-Norton, M., & Morrison, A. (2004). Interdisciplinary collaboration on substance abuse skill OSCEs. <i>Substance abuse</i> , 25(3), 29-31.
27.	Chehrzad, Mirzaei, & Kazemnejad	2004	Iran	University	Undergraduate nursing students	Nursing skills	Chehrzad, M. M., Mirzaei, M., & Kazemnejad, E. (2004). Comparison between two methods: Objective structured clinical evaluation (OSCE) and traditional on nursing students' satisfaction. <i>Journal of Guilan University of Medical Sciences</i> , 13(50), 8-13.
28.	Ward & Barratt	2005	United Kingdom	University	BSc Nurse practitioner students (Primary Health Care)	Advanced nurse practitioner skills	Ward, H., & Barratt, J. (2005). Assessment of nurse practitioner advanced clinical practice skills: using the objective structured clinical examination (OSCE). <i>Primary Health Care</i> , 15(10), 37-41.

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29.	Mason, Fletcher, McCormick, Perrin, & Rigby	2005	United Kingdom	University (University of Sheffield)	NP/APN (Emergency Nurse Practitioner)	Emergency skills (suturing, minor injuries, X-ray interpretation)	Mason, S., Fletcher, A., McCormick, S., Perrin, J., & Rigby, A. (2005). Developing assessment of emergency nurse practitioner competence—a pilot study. <i>Journal of advanced nursing</i> , 50(4), 425-432.
30.	Franklin	2005	United Kingdom	University (University of Plymouth)	Nurses undertaking the course in nurse prescribing	Nurse prescribing	Franklin, P. (2005). OSCEs as a means of assessment for the practice of nurse prescribing. <i>Nurse Prescribing</i> , 3(1), 14-23.
31.	Forward & Hayward	2005	United Kingdom	University (University of West of England)	Nurses undertaking the course in nurse prescribing	Nurse prescribing	Forward, J., & Hayward, M. (2005). Classroom versus practice-based OSCEs: a comparative evaluation. <i>Nurse Prescribing</i> , 3(5), 204-209.
32.	Major	2005	United Kingdom	University (University of Salford)	Nursing students	Basic nursing skills (handwashing, handling patients and basic life support)	Major, D. A. (2005). OSCEs—seven years on the bandwagon: The progress of an objective structured clinical evaluation programme. <i>Nurse Education Today</i> , 25(6), 442-454.
33.	Furlong, Fox, Lavin, & Collins	2005	Ireland	University (University College Dublin)	Postgraduate oncology nursing students	Oncology nursing skills	Furlong, E., Fox, P., Lavin, M., & Collins, R. (2005). Oncology nursing students' views of a modified OSCE. <i>European Journal of Oncology Nursing</i> , 9(4), 351-359.
34.	Brosnan, Evans, Brosnan, & Brown	2006	Ireland	College (Institute of Technology)	BSc. Nursing students (General and Psychiatric - Year 1 and 2)	Basic nursing skills	Brosnan, M., Evans, W., Brosnan, E., & Brown, G. (2006). Implementing objective structured clinical skills evaluation (OSCE) in nurse registration programmes in a centre in Ireland: A utilisation focused evaluation. <i>Nurse Education Today</i> , 26(2), 115-122.
35.	Bhat & Anand	2006	India	College	BSN students	Fundamental nursing skills	Bhat, M. S., & Anand, S. (2006). Objective structured clinical examination (OSCE). <i>Nursing Journal of India</i> , 97(1), 14.
36.	Alinier, Hunt, Gordon, & Harwood	2006	United Kingdom	University	Diploma nursing students (Year 2)	Nursing skills, patient safety, communication skills	Alinier, G., Hunt, B., Gordon, R., & Harwood, C. (2006). Effectiveness of intermediate-fidelity simulation training technology in undergraduate nursing

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							education. Journal of advanced nursing, 54(3), 359-369.
37.	Zaidi	2006	United Kingdom	University (London South Bank University)	Midwifery students (Level 1 and 2)	Midwifery skills	Zaidi, F. (2006). Developing and running an OSCE: a personal reflection. British Journal of Midwifery, 14(12), 725-729.
38.	Rennie & Main	2006	United Kingdom, Scotland	University (Robert Gordon University)	Midwifery students (Year 2)	Midwifery skills	Rennie, A. M., & Main, M. (2006). Student midwives' views of the objective structured clinical examination. British Journal of Midwifery, 14(10), 602-607.
39.	Ward & Willis	2006	United Kingdom	University (London South Bank University)	NP/APN students (MSc)	Advanced nurse practitioner skills	Ward, H., & Willis, A. (2006). Assessing advanced clinical practice skills. Primary Health Care, 16(3), 22-24.
40.	Rong & Chung	2006	Taiwan	University	NR	NR	Rong, J. R., & Chung, U. L. (2006). The challenge facing nursing education: to develop clinical performance examination strategies in nursing practice. Hu li za zhi The journal of nursing, 53(1), 17-21.
41.	Makinen, Castren, Tolska, Nurmi, & Niemi-Murola	2006	Finland	Hospital	Nurses	Basic life support	Mäkinen, M., Castren, M., Tolska, T., Nurmi, J., & Niemi-Murola, L. (2006). Teaching basic life support to nurses. European journal of anaesthesiology, 23(4), 327-331.
42.	Bulfone, Zanini, Tosolini, & Zuliani	2006	Italy	University	Undergraduate nursing students	Nursing skills	Bulfone, G., Zanini, A., Tosolini, C., & Zuliani, S. (2006). The OSCE method (Objective Structured Clinical Examination) in the university course for nurses in Udine. Assistenza infermieristica e ricerca: AIR, 25(3), 176-180.
43.	Rentschler, Eaton, Cappiello, McNally, & McWilliam	2007	USA, North Carolina	University	BSN students (Senior year)	Holistic approaches to patient condition (Adult health, mental health etc.)	Rentschler, D., Eaton, J., Cappiello, J., McNally, S., & McWilliam, P. (2007). Evaluation of undergraduate students using objective structured clinical evaluation. Journal of Nursing Education, 46(3), 135-139.

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44.	Jay	2007	United Kingdom	University (University of Hertfordshire)	Midwifery students (Final year)	Midwifery and nursing skills	Jay, A. (2007). Students' perceptions of the OSCE: a valid assessment tool?. British Journal of Midwifery, 15(1), 32-37.
45.	Wang & Lin	2007	Taiwan	Professional Association (National board licensure)	NP/APN	NP competencies	Wang, M. H., & Lin, W. L. (2007). The nurturing and development of nurse practitioners. Hu li za zhi The journal of nursing, 54(6), 11-15.
46.	Ryan, Stevenson, & Hassell	2007	United Kingdom	Hospital	NP/APN students enrolled in the MSc course for rheumatology clinical nurse specialist (CNS)	Physical examination (Rheumatology)	Ryan, S., Stevenson, K., & Hassell, A. B. (2007). Assessment of clinical nurse specialists in rheumatology using an OSCE. Musculoskeletal Care, 5(3), 119-129.
47.	Mäkinen et al.	2007	Sweden & Finland	Hospitals (University)	Nurses	Basic life support - TOSCE	Mäkinen, M., Aune, S., Niemi-Murola, L., Herlitz, J., Varpula, T., Nurmi, J., ... & Castren, M. (2007). Assessment of CPR-D skills of nurses in Göteborg, Sweden and Espoo, Finland: teaching leadership makes a difference. Resuscitation, 72(2), 264-269.
48.	Brookes	2007	United Kingdom	University	Nurses undertaking course in nurse prescribing	Nurse prescribing	Brookes, D. (2007). Objective structured clinical examination assessment. Nursing times, 104(43), 30-31.
49.	Marshall, Hall, & Taniguchi	2007	Canada	University	Nursing students	Palliative care - interprofessional collaboration	Marshall, D., Hall, P., & Taniguchi, A. (2007, September). The palliative care TOSCE; Development and implementation of team OSCEs for evaluation of interprofessional palliative care competencies. Journal Of Palliative Care 23(3), 218.
50.	Schlegel & Shaha	2007	Switzerland	University	Nursing students	Nursing skills	Schlegel, C., & Shaha, M. (2007). Spezielle Herausforderungen bei Planung und Durchführung von OSCE (Objective Structured Clinical Examination). Printernet, 8(12), 773-776.
51.	Moule, Wilford,	2008	United Kingdom	University	BSN students (Year 1 and 3)	Basic life support	Moule, P., Wilford, A., Sales, R., & Lockyer, L. (2008). Student experiences and mentor

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	Sales, & Lockyer						views of the use of simulation for learning. Nurse Education Today, 28(7), 790-797.
52.	Byrne & Smyth	2008	Ireland	University (National University of Ireland)	BSN students (Year 1)	Basic nursing skills, basic life support and communication (eight skills - student would choose one)	Byrne, E., & Smyth, S. (2008). Lecturers' experiences and perspectives of using an objective structured clinical examination. Nurse Education in Practice, 8(4), 283-289.
53.	Robbins & Hoke	2008	USA, New Mexico	University	NP/APN psychiatric mental health nursing students from rural/underserved areas	Physical examination skills and psychiatric nursing competency	Robbins, L. K., & Hoke, M. M. (2008). Using objective structured clinical examinations to meet clinical competence evaluation challenges with distance education students. Perspectives in Psychiatric Care, 44(2), 81-88.
54.	Khattab & Rawlings	2008	United Kingdom	University (Bournemouth University)	NP/APN students	Physical examination	Khattab, A. D., & Rawlings, B. (2008). Use of a modified OSCE to assess nurse practitioner students. British Journal of Nursing, 17(12), 754-759.
55.	Seeley & Harding	2008	United Kingdom	University (Cardiff)	Nurses (community nurses)	Community nurse venous leg ulcer clinical practice	Seeley, M. A., & Harding, K. G. (2008). The effects of education and training on clinical practice in wound healing. International wound journal, 5(5), 660-664.
56.	Wang, Huang, & Shang	2008	China, Shanxi	University (Shanxi Medical University)	Nurses (fresh college graduates)	Nursing skills manipulation, group comprehensive ability, nursing procedure, occupation attitude, and critical thinking	Wang, B., Huang, H., Shang, L. (2008). Practical explore on objective structured clinical examination in evaluation of clinical comprehensive ability of college nursing graduates. Chinese Nursing Research, 1, 3.
57.	Kushnir, Ehrenfeld, & Shalish	2008	Israel	University	Nurses (Nursing graduates)	Professional responsibility, professional skills, implementation of the nursing process, and	Kushnir, T., Ehrenfeld, M., & Shalish, Y. (2008). The effects of a coaching project in nursing on the coaches' training motivation, training outcomes, and job performance: An experimental study. International Journal of Nursing Studies, 45(6), 837-845.

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						communication competence	
58.	Lauder et al.	2008	United Kingdom, Scotland	University (University of Dundee)	Nursing and midwifery students enrolled in the pre-registration fitness for practice program (two cohorts)	Hand hygiene, communication , and drug calculation (numeracy)	Lauder, W., Holland, K., Roxburgh, M., Topping, K., Watson, R., Johnson, M., ... & Behr, A. (2008). Measuring competence, self-reported competence and self-efficacy in pre-registration students. <i>Nursing Standard</i> , 22(20), 35.
59.	Nieto de la Fuente et al.	2008	Chile & Spain	University	Nursing students	Nursing skills	Nieto de la Fuente, C., García Martínez, M., Bonfill Accensi, E., Lleixà Fortuño, M., Artero Pons, S., Sáez Vay, F., & ... González García, E. (2008). Alternatives to evaluation: modified trial and structured, objective clinical evaluation. <i>Metas De Enfermería</i> , 11(9), 59-66.
60.	Binquan, Hua, & Linping	2008	China, Shanxi	University (Shanxi Medical University)	Nursing students	Nursing skills	Binquan, W., Hua, H., & Linping, S. (2008). Practical explore on objective structured clinical examination in evaluation of clinical comprehensive ability of college nursing graduates [J]. <i>Chinese Nursing Research</i> , 1, 003.
61.	Bulfone, Galletti, Vellone, Zanini, & Quattrin	2008	Italy	University	Undergraduate nursing students	Problem-solving and diagnostic reasoning	Bulfone, G., Galletti, C., Vellone, E., Zanini, A., & Quattrin, R. (2008). Problem solving abilities of nursing students: the experience of the bachelor degree course in nursing at the University of Udine. <i>Professioni infermieristiche</i> , 61(3), 139-148.
62.	Valkenier & Marshall	2009	Canada, British Columbia	University (University of British Columbia)	BSN accelerated nursing students	Holistic nursing care	Valkenier, B., & Marshall, H. (2009). Student Perceptions of a Modified OSCE Evaluation Tool to Assess their Clinical Lab Competence. <i>Clinical Simulation in Nursing</i> , 5(3), e153.
63.	Zhang	2009	China, Shanxi	University (Shanxi Medical University)	BSN students	Common nursing procedures (e.g. admission, implementing	Zhang, X. (2009). Application of objective structured clinical examination mode in clinical nursing teaching. <i>Chinese Nursing Research</i> , 23(7C), 1966.

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						doctor's doctors, etc.)	
64.	El-Nemer & Kandeel	2009	Egypt	University (Mansoura University)	BSN students (Year 1 and 3)	First aid skills (Year 1) Maternity and gynaecology nursing skills (Year 3)	El-Nemer, A., & Kandeel, N. (2009). Using OSCE as an assessment tool for clinical skills: nursing students' feedback. Australian Journal of basic and Applied sciences, 3(3), 2465-2472.
65.	Kimberly et al.	2009	Zambia	Hospital	Midwives	Focused obstetric ultrasound training	Kimberly, H., Murray, A., Mennicke, M., Ngoma, B., Chisanga, C., Ngoma, E., ... & Noble, V. E. (2009). 277: Teaching Focused Obstetric Ultrasound to Midwives in Rural Zambia. Annals of Emergency Medicine, 54(3), S87.
66.	Kurz, Mahoney, Martin-Plank, & Lidicker	2009	USA, Pennsylvania	University (Temple University)	NP/APN students	Physical examination competence	Kurz, J. M., Mahoney, K., Martin-Plank, L., & Lidicker, J. (2009). Objective structured clinical examination and advanced practice nursing students. Journal of Professional Nursing, 25(3), 186-191.
67.	Ward	2009	United Kingdom, London	University (London South Bank University)	NP/APN students (MSc)	Advanced nursing skills (communication and history taking, physical examination, clinical reasoning, interpretation of investigation, patient care management)	Ward, H. (2009). Testing clinical skills at master's level. Practice Nurse, 38(2), 33-35.
68.	Cubbin, Pearce, Bullock, & McShane	2009	United Kingdom	Hospital	Nurses (different grades)	Advanced dementia skills (physical examination and diagnosis, non-medical prescribing,	Cubbin, S., Pearce, J., Bullock, R., & McShane, R. (2009). Training and assessing independent nurse prescribers: a model for old age psychiatry. The Psychiatrist, 33(9), 350-353.

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						patient education)	
69.	Walsh, Bailey, Mossey, & Koren	2010	Canada, Ontario	Universities (four sites)	BSN students (Year 1)	Nursing competence	Walsh, M., Bailey, P. H., Mossey, S., & Koren, I. (2010). The novice objective structured clinical evaluation tool: Psychometric testing. <i>Journal of advanced nursing</i> , 66(12), 2807-2818.
70.	Bloomfield, Roberts, & While	2010	United Kingdom, London	University (King's College London)	BSN students (Year 1)	Handwashing skills	Bloomfield, J., Roberts, J., & While, A. (2010). The effect of computer-assisted learning versus conventional teaching methods on the acquisition and retention of handwashing theory and skills in pre-qualification nursing students: a randomised controlled trial. <i>International Journal of nursing studies</i> , 47(3), 287-294.
71.	Rouse	2010	United Kingdom	University (University of Worcester)	BSN students in Child health (Year 2) and the postgraduate cohort	Clinical skills, respiratory and cardiovascular assessment, numeracy, and resuscitation (child)	Rouse, J. (2010). An evaluation of observed structural clinical examinations. <i>Paediatric nursing</i> , 22(7), 26.
72.	Kayihura & Mtshali	2010	Rwanda	College	Diploma nursing students	Nursing skills	Kayihura, C. N., & Mtshali, N. G. (2010). Assessment of student nurses' clinical learning in Rwanda. <i>Africa Journal of Nursing and Midwifery</i> , 12(1), 100-108.
73.	Decker, Pam, Julie, Jeffrey, & Lucie	2010	USA (3 sites)	Universities	NP/APN	Cardiopulmonary assessment skills	Decker, S., Pam, J., Julie, S., Jeffrey, G., & Lucie, D. (2010). Teaching cardiopulmonary assessment skills among advanced practice nurses. <i>Clinical Simulation in Nursing</i> , 6(3), e112.
74.	Barratt	2010	United Kingdom, London	University (London South Bank University)	NP/APN students	Advanced nursing clinical competence (approaches to disease/condition, physical examination, etc.)	Barratt, J. (2010). A focus group study of the use of video-recorded simulated objective structured clinical examinations in nurse practitioner education. <i>Nurse Education in Practice</i> , 10(3), 170-175.

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75.	Mäkinen, Axelsson, Castren, Nurmi, Lankinen, & Niemi-Murola	2010	Sweden & Finland	Hospitals (University Hospital)	Nurses	Cardiopulmonary resuscitation and defibrillation	Mäkinen, M., Axelsson, Å., Castren, M., Nurmi, J., Lankinen, I., & Niemi-Murola, L. (2010). Assessment of CPR-D skills of nursing students in two institutions: reality versus recommendations in the guidelines. <i>European Journal of Emergency Medicine</i> , 17(4), 237-239.
76.	Brown, Raue, Slimstra, Mlodzianowski, Greenberg, & Bruce	2010	USA, New York	Two home care agencies	Nurses	Communication (completeness and organization)	Brown, E. L., Raue, P. J., Klimstra, S., Mlodzianowski, A. E., Greenberg, R. L., & Bruce, M. L. (2010). An intervention to improve nurse-physician communication in depression care. <i>The American Journal of Geriatric Psychiatry</i> , 18(6), 483-490.
77.	Jones, Pegram, & Clarke	2010	United Kingdom, London	University (King's College London)	Nurses (enrolled in post-registration courses)	Mental health module	Jones, A., Pegram, A., & Fordham-Clarke, C. (2010). Developing and examining an objective structured clinical examination. <i>Nurse Education Today</i> , 30(2), 137-141.
78.	Bolourchifard, Neishabory, Ashketorab, & Nasrollahzadeh	2010	Iran	University	Nursing students	Nursing skills	Bolourchifard, F., Neishabory, M., Ashketorab, T., & Nasrollahzadeh, S. (2010). Satisfaction of nursing students with two clinical evaluation methods: objective structured clinical examination (OSCE) and practical examination of clinical competence. <i>Advances in Nursing & Midwifery</i> , 19(66).
79.	Paul	2010	United Kingdom, Scotland	University (University of Dundee)	Nursing students enrolled in the shortened BSN Programme for Graduates	cardiopulmonary resuscitation	Paul, F. (2010). An exploration of student nurses' thoughts and experiences of using a video-recording to assess their performance of cardiopulmonary resuscitation (CPR) during a mock objective structured clinical examination (OSCE). <i>Nurse education in practice</i> , 10(5), 285-290.
80.	Brown, Hoadley, & Kingston	2010	USA, Illinois	College	Undergraduate nursing students	Nursing skills	Brown, S., Hoadley, T., & Kingston, C. J. (2010). Simulation and the objective structured clinical examination: a method to evaluate students. <i>Clinical Simulation in Nursing</i> , 6(3), e109.

No	Author	Year	Country	Study Site	Participant	Subject	References
81.	Ferri & Pisani	2010	Italy	University	Undergraduate nursing students	Nursing competencies	Ferri P, Pisani M. (2010). An approach for assessment [sic] the clinical competence of the student of Degree Course in Nursing (OSCE). <i>Agora De Enfermeria</i> ,14(22):53-55.
82.	McWilliam & Botwinski	2010; 2012*	USA, New England	Hospital (Community Hospital)	Undergraduate senior nurses	Clinical interviewing skills, specific nursing skills, and pathophysiology knowledge	McWilliam, P., & Botwinski, C. (2010). Developing a successful nursing objective structured clinical examination. <i>Journal of Nursing Education</i> , 49(1), 36-41. McWilliam, P. L., & Botwinski, C. A. (2012). Identifying Strengths and weaknesses in the utilization of objective Structured Clinical Examination (osce) in a nursing Program. <i>Nursing education perspectives</i> , 33(1), 35-39.
83.	Nulty, Mitchell, Jeffrey, Henderson, & Groves	2011	Australia	University (Griffith University)	BN nursing students (Year 1)	Physical assessment (holistic)	Nulty, D. D., Mitchell, M. L., Jeffrey, C. A., Henderson, A., & Groves, M. (2011). Best practice guidelines for use of OSCEs: maximising value for student learning. <i>Nurse Education Today</i> , 31(2), 145-151.
84.	Napolitano, Roots, Hoyle, & Johansen	2011	Canada	Professional Association (National board licensure)	NP/APN	NP competencies	Napolitano, M., Roots, A., Hoyle, C., & Johansen, C. (2011). Developing the clinical licensure examination for nurse practitioners in British Columbia. <i>Journal of Nursing Regulation</i> , 2(3), 44-48.
85.	Olbrich, Gottwald, Kenzler, Postel, Schröder, & Bergjan	2011	Germany	University	NR	NR	Olbrich, C., Gottwald, K., Kenzler, M., Postel, N., Schröder, F., & Bergjan, M. (2011). Benefit of the OSCE (objective structured clinical examination) method. Change in the examination culture. <i>Pflege Zeitschrift</i> , 64(7), 422-425.
86.	Abdolmaleki, Ashoorioun, Momeni, Zarezadeh, & Rokhzadi	2011	Iran	University	Nursery students	Nursery skills	Abdolmaleki, M., Ashoorioun, V., Momeni, S., Zarezadeh, Y., & Rokhzadi, M. (2011). The influence of study guide on clinical education of nursery students. <i>Iranian Journal of Medical Education</i> , 10(5).
87.	Doyle, Copeland,	2011	USA, West Virginia	University	Nurses	Communication (handling	Doyle, D., Copeland, H. L., Bush, D., Stein, L., & Thompson, S. (2011). A course for

No	Author	Year	Country	Study Site	Participant	Subject	References
	Bush, Stein, & Thompson					difficult situations)	nurses to handle difficult communication situations. A randomized controlled trial of impact on self-efficacy and performance. Patient Education and Counseling, 82(1), 100-109.
88.	Baid	2011	United Kingdom	University (University of Brighton)	Nurses enrolled in the intensive care course	ICU nursing skills (arterial blood gas analysis, respiratory assessment, and extubation)	Baid, H. (2011). The objective structured clinical examination within intensive care nursing education. Nursing in critical care, 16(2), 99-105.
89.	Sola, Martínez, Molins, & Pulpón	2011	Spain, Catalan	Universities in Spain	Nursing students	Nursing competencies	Sola, P. M., Martínez, C. D., Molins, I., & Pulpón, S. A. (2011). Testing objective structured clinical evaluation (OSCE) for nursing students experience developed during the years 1995-2009. Revista de enfermería, 34(7-8), 32-39.
90.	Han & Park	2011	South Korea	University	Nursing students	NR	Han, M. H., & Park, S. G. (2011). Analysis of trends in self-assessment of performance of clinical skills in nursing students after OSCE. Journal of Korean Academy of Fundamentals of Nursing, 18(2), 210-216.
91.	Ndemera	2011	South Africa	University	Nursing students enrolled in the critical care nursing module	Critical care nursing skills	Ndemera, H. (2011). Clinical learning of critical care nursing students from two different programmes in Ethekwini metropolitan area. Southern African Journal of Critical Care, 27(1), 24-26
92.	Cazzell, & Rodriguez	2011	USA, Texas	University	Undergraduate nursing students	Affective domains/attitudes	Cazzell, M., & Rodriguez, A. (2011). Qualitative analysis of student beliefs and attitudes after an objective structured clinical evaluation: Implications for affective domain learning in undergraduate nursing education. Journal of Nursing Education, 50(12), 711-714.
93.	Clarke, Rainey, & Traynor	2011; 2012*	United Kingdom,	University (Queen	Nurses enrolled in orthopaedic course	Orthopaedic clinical skills	Clarke, S., Rainey, D., & Traynor, M. (2011). Using the Objective Structured Clinical Examination (OSCE) to assess

No	Author	Year	Country	Study Site	Participant	Subject	References
			Northern Ireland	Belfast University)			orthopaedic clinical skills for the registered nurse. International Journal of Orthopaedic and Trauma Nursing, 15(2), 92-101. Clarke, S., McDonald, S., & Rainey, D. (2012). Assessing registered nurses' clinical skills in orthopaedics. Nursing Standard, 26(43), 35. (Similar research project)
94.	Meechan, Jones, & Valler-Jones	2011 a	United Kingdom	University (University of Worcester)	BSN students (Year 1 - Sem 1 cohort and Sem 2 cohort)	Clinical competence in Essential Skills Clusters (Year 1)	Meechan, R., Jones, H., & Valler-Jones, T. (2011). Students' perspectives on their skills acquisition and confidence. British Journal of Nursing, 20(7), 445-450.
95.	Meechan, Jones, & Valler-Jones	2011 b	United Kingdom	University (University of Worcester)	BSN students (Year 1 - 3 consecutive cohorts)	Medicines management	Meechan, R., Valler-Jones, T., & Jones, H. (2011). Do medicines OSCEs improve drug administration ability?. British Journal of nursing, 20(13), 728-733.
96.	Cazzell & Howe	2012	USA, Texas	University (University of Texas)	BSN nursing students enrolled in the module 'Nursing of Children and Adolescents'	Paediatric medication administration	Cazzell, M., & Howe, C. (2012). Using objective structured clinical evaluation for simulation evaluation: Checklist considerations for interrater reliability. Clinical simulation in Nursing, 8(6), e219-e225.
97.	McClimens, Ibbotson, Kenyon, McLean, & Soltani	2012	United Kingdom	University (Sheffield Hallam University)	Midwifery nursing students (Year 1 and 3)	Midwifery skills	McClimens, A., Ibbotson, R., Kenyon, C., McLean, S., & Soltani, H. (2012). Confidence and performance in objective structured clinical examination. British Journal of Midwifery, 20(10), 746-751.
98.	Smith, Muldoon, & Biesty	2012	Ireland	University (Trinity College Dublin)	Midwifery students	Lactation and infant feeding practices	Smith, V., Muldoon, K., & Biesty, L. (2012). The Objective Structured Clinical Examination (OSCE) as a strategy for assessing clinical competence in midwifery education in Ireland: A critical review. Nurse education in practice, 12(5), 242-247.
99.	Barry, Noonan, Bradshaw,	2012	Ireland	University (University of Limerick)	Midwifery students	Obstetrics emergencies	Barry, M., Noonan, M., Bradshaw, C., & Murphy-Tighe, S. (2012). An exploration of student midwives' experiences of the Objective Structured Clinical Examination

No	Author	Year	Country	Study Site	Participant	Subject	References
	& Murphy-Tighe						assessment process. Nurse Education Today, 32(6), 690-694.
100.	Hallas, Biesecker, Brennan, Newland, & Haber	2012	USA	Professional Association (The National Organization of NP Faculties)	NP/APN students	NP competencies	Hallas, D., Biesecker, B., Brennan, M., Newland, J. A., & Haber, J. (2012). Evaluation of the clinical hour requirement and attainment of core clinical competencies by nurse practitioner students. Journal of the American Association of Nurse Practitioners, 24(9), 544-553.
101.	Cooper, Cant, Porter, Missen, Sparkes, McConnell-Henry, & Endacott	2012	Australia	Hospital	Nurses	Teamwork and situation awareness in handling deteriorating patients	Cooper, S., Cant, R., Porter, J., Missen, K., Sparkes, L., McConnell-Henry, T., & Endacott, R. (2012). Managing patient deterioration: assessing teamwork and individual performance. Emerg Med J, 30(5), 377-381.
102.	Thukral et al.	2012	India & Maldives	Hospitals (7 sites)	Nurses	Essential newborn care competencies (e.g. feeding an LBW baby e.g. orogastric, cup and spoon feeding etc.)	Thukral, A., Sasi, A., Chawla, D., Datta, P., Wahid, S., Rao, S., ... & Deorari, A. K. (2012). Online Neonatal Training and Orientation Programme in India (ONTOP-IN)—the way forward for distance education in developing countries. Journal of tropical pediatrics, 58(6), 486-490.
103.	Sellu, Davis, & Vincent	2012	United Kingdom, London	Hospital	Nurses and midwives	Blood transfusion safety (communication, documentation, and identification)	Sellu, D. H., Davis, R. E., & Vincent, C. A. (2012). Assessment of blood administration competencies using objective structured clinical examination. Transfusion Medicine, 22(6), 409-417.
104.	Endacott et al.	2012	Australia	Hospital	Nurses enrolled in in-hospital simulation exercises	Clinical decision-making skills (handling chest pain and	Endacott, R., Scholes, J., Cooper, S., McConnell-Henry, T., Porter, J., Missen, K., ... & Champion, R. (2012). Identifying patient deterioration: Using simulation and reflective interviewing to examine decision

No	Author	Year	Country	Study Site	Participant	Subject	References
						respiratory distress)	making skills in a rural hospital. International Journal of Nursing Studies, 49(6), 710-717.
105.	Oranye, Ahmad, Ahmad, Abu Bakar	2012	Malaysia	University (Open University Malaysia)	Nurses enrolled in the post-registration BN program	clinical skills (depending on areas of specialization)	Oranye, N., Ahmad, C. A., Ahmad, N., & Abu Bakar, R. (2012). Assessing nursing clinical skills competence through objective structured clinical examination (OSCE) for open distance learning students in Open University Malaysia. Contemporary nurse, 41(2), 233-241.
106.	Heikkila, & Liimatainen	2012	Finland	University	Nurses undertaking the course in nurse prescribing	Nurse prescribing	Heikkila, J. J., & Liimatainen, L. (2012, March). The objective structured clinical examination in assessing cardiac clinical skill in nurse prescribing. European Journal Of Cardiovascular Nursing, 11(S1), 68-69.
107.	Shujie, Zoujuan, & Shujie	2012	China, Heilongjiang	College	Nursing students	Nursing skills	Shujie, S., Zoujuan, Y., & Shujie, S. (2012). A analysis of objective structured clinical examination effect to the nursing undergraduates in a college. Chinese Nursing Research, 26(1C), 271-272.
108.	Yan, Lanzhen, & Guoping	2012	China, Shandong	College	Nursing students	Intensive care nursing skills	Yan, Z., Lanzhen, Y., & Guoping, M. (2012). Study on application of OSCE in evaluation on clinical ability of junior college student nurse in ICU. Chinese Nursing Research, 7, 048.
109.	Bagheri, Forotgheh, & Fallah	2012	Iran	University (Mashhad University of Medical Sciences)	Nursing students (Year 1)	Basic nursing skills (wound dressing, venous injection, bladder catheterization, and preparing medications)	Bagheri, M., Forotgheh, M. S., & Fallah, M. S. (2012). The comparison of stressors in the assessment of basic clinical skills with traditional method and OSCE in nursing students. Life Science Journal, 9(4), 1748-1752.
110.	Schlegel, Woermann, Shaha, Rethans, &	2012	Switzerland	University (University of Bern)	Nursing students (Year 1)	Communication skills	Schlegel, C., Woermann, U., Shaha, M., Rethans, J. J., & van der Vleuten, C. (2012). Effects of communication training on real practice performance: a role-play module versus a standardized patient

No	Author	Year	Country	Study Site	Participant	Subject	References
	van der Vleuten						module. Journal of Nursing Education, 51(1), 16-22.
111.	Jianping, Jie, & Huijyn	2012	China	University	Undergraduate nursing students	Nursing skills	Jianping, L., Jie, Z., & Huijyn, S. (2012). Implementation and evaluation of OSCE in clinical assessment of nursing undergraduates. Chinese Nursing Research, 26(6B), 1618.
112.	Bornais, Raiger, Krahn, & El-Masri	2012	Canada, Ontario	University and college in Ontario	Undergraduate nursing students (Year 1)	Health assessment	Bornais, J. A., Raiger, J. E., Krahn, R. E., & El-Masri, M. M. (2012). Evaluating undergraduate nursing students' learning using standardized patients. Journal of Professional Nursing, 28(5), 291-296.
113.	Illesca, Gabezas, Romo, & Díaz	2012	Chile	University (University of La Frontera)	Undergraduate nursing students (Year 2)	Module (clinical practice, Nursing Basic Child Module, Adolescent and Adult)	Illesca, M., Cabezas, M., Romo, M. T., & Díaz, P. (2012). Opinión de estudiantes de enfermería sobre el examen clínico objetivo estructurado. Ciencia y enfermería, 18(1), 99-109.
114.	Palese et al.	2012	Italy	University (University of Udine)	Undergraduate nursing students (Year 2)	nursing skills, nursing management for patients with respiratory, cardiac, and neurologic conditions.	Palese, A., Bulfone, G., Venturato, E., Urli, N., Bulfone, T., Zanini, A., ... & Zuliani, S. (2012). The cost of the objective structured clinical examination on an Italian nursing bachelor's degree course. Nurse education today, 32(4), 422-426.
115.	Selim, Ramadan, El-Gueneidy, & Gaafer	2012	Egypt	University	Undergraduate nursing students (Year 4)	Psychiatric nursing competencies	Selim, A. A., Ramadan, F. H., El-Gueneidy, M. M., & Gaafer, M. M. (2012). Using Objective Structured Clinical Examination (OSCE) in undergraduate psychiatric nursing education: is it reliable and valid?. Nurse education today, 32(3), 283-288.
116.	Embry	2013	USA, California	University	BSN nursing students (Senior-level)	Nursing leadership traits (prioritization, delegation, and	Embry, T. (2013). An evaluation of a nursing leadership simulation experience using multitrait multimethod matrix Doctoral dissertation, University of San Francisco. Retrieved from ProQuest.

No	Author	Year	Country	Study Site	Participant	Subject	References
						patient care management)	
117.	Sabin et al.	2013	United Kingdom, Scotland	Universities (four sites)	BSN nursing students (Year 3)	Medication dosage calculation problem-solving (oral, liquid, injection, and IV infusion)	Sabin, M., Weeks, K. W., Rowe, D. A., Hutton, B. M., Coben, D., Hall, C., & Woolley, N. (2013). Safety in numbers 5: evaluation of computer-based authentic assessment and high fidelity simulated OSCE environments as a framework for articulating a point of registration medication dosage calculation benchmark. <i>Nurse education in practice</i> , 13(2), e55-e65.
118.	Mårtensson & Löfmark	2013	Sweden	University	BSN students (Final-year)	Generic nursing competence	Mårtensson, G., & Löfmark, A. (2013). Implementation and student evaluation of clinical final examination in nursing education. <i>Nurse education today</i> , 33(12), 1563-1568.
119.	Faramarzi et al.	2013	Iran	University (Babol University of Medical Sciences)	Midwifery students	Midwifery competencies	Faramarzi, M., Pasha, H., Bakhtiari, A., Salmalian, H., Delavar, M. A., Amiri, F. N., & Nikpour, M. (2013). Test anxiety in objective structured clinical examinations (OSCEs) compared with traditional assessment methods in undergraduate midwifery students. <i>Health</i> , 5(12), 2204.
120.	Barry, Bradshaw, & Noonan	2013	Ireland	University (University of Limerick)	Midwifery students (Year 1 and 3)	Abdominal examination and obstetric emergencies	Barry, M., Bradshaw, C., & Noonan, M. (2013). Improving the content and face validity of OSCE assessment marking criteria on an undergraduate midwifery programme: A quality initiative. <i>Nurse education in practice</i> , 13(5), 477-480.
121.	Corcoran, Lysaght, LaMarra, & Ersek	2013	USA, Pennsylvania	University	NP/APN students	Palliative care (for advanced practice nurses)	Corcoran, A. M., Lysaght, S., LaMarra, D., & Ersek, M. (2013). Pilot test of a three-station palliative care observed structured clinical examination for multidisciplinary trainees. <i>Journal of Nursing Education</i> , 52(5), 294-298.
122.	Beckman	2013	USA, Washington State	University	NP/APN students	Approaches to case scenarios	Beckham, N. D. (2013). Objective structured clinical evaluation effectiveness in clinical evaluation for family nurse

No	Author	Year	Country	Study Site	Participant	Subject	References
						(different body systems)	practitioner students. Clinical Simulation in Nursing, 9(10), e453-e459.
123.	Mutebi, Wasike, Mushtaq, Kahie, & Ntoburi	2013	Kenya	Hospital (University Hospital)	Nurses	Clinical breast examination	Mutebi, M., Wasike, R., Mushtaq, A., Kahie, A., & Ntoburi, S. (2013). The effectiveness of an abbreviated training program for health workers in breast cancer awareness: innovative strategies for resource constrained environments. Springerplus, 2(1), 528.
124.	Mitchell, Strube, & Vaux	2013	Australia	Hospital	Nurses applying for ICU clinical nurse (CN) positions	Holistic nursing care in an ICU setting	Mitchell, M., Strube, P., Vaux, A., West, N., & Auditore, A. (2013). Right person, right skills, right job: the contribution of objective structured clinical examinations in advancing staff nurse experts. Journal of Nursing Administration, 43(10), 543-548.
125.	Heikkila, Heikkinen, & Tella	2013	Finland	University	Nurses undertaking the course in nurse prescribing	Cardiac skills and nurse prescribing	Heikkila, J., Heikkinen, K., & Tella, S. (2013, April). Cardiac clinical skills of Finnish nurse prescriber students. European Journal of Cardiovascular Nursing, 12, S10.
126.	Yoon, Kim, & Choi	2013	South Korea	University	Nursing students	Fundamental nursing skills	Yoon, J., Kim, K. J., & Choi, M. S. (2013). The effects of OSCE application before clinical practice for nursing students. The Journal of Korean Academic Society of Nursing Education, 19(2), 273-284.
127.	Park, Ahn, Kang, Lee, & Sohn	2013	South Korea	University	Nursing students	NR	Park, K. O., Ahn, Y. M., Kang, N. R., Lee, M. J., & Sohn, M. (2013). Psychometric evaluation of a six dimension scale of nursing performance and student nurse stress index using an objective structured clinical examination-Modules for asthma and type 1 diabetes. Child Health Nursing Research, 19(2), 85-93.
128.	Hosseini, Hosseini, Vartanoosi an, & Farzinfard	2013	Iran	University	Nursing students (Year 1)	Interpretation of biochemistry laboratory results	Hosseini, S., Hosseini, F., Vartanoosian, J., & Farzinfard, F. (2013). Validity & reliability of OSCE/OSPE in assessing biochemistry laboratory skills of freshman nursing students of Shahid Beheshti University of

No	Author	Year	Country	Study Site	Participant	Subject	References
							Medical Sciences. ICERI2013 Proceedings, 1, 6062-6069).
129.	Bouchoucha, Wikander, & Wilkin	2013	Australia	University (two branch campuses)	Undergraduate nursing students (Year 1 to 3; distance learning)	Basic to complex nursing skills	Bouchoucha, S., Wikander, L., & Wilkin, C. (2013). Assessment of simulated clinical skills and distance students: Can we do it better?. Nurse education today, 33(9), 944-948.
130.	Kim & Kim	2013	South Korea	University	Undergraduate nursing students (Year 2)	Performing urinary catheterization	Kim, J. H., & Kim, H. J. (2013). Relationships between the Objective Structured Clinical Examination, Depression Cognitive Scale, Self-Efficacy, and Problem Solving Strategies of Sophomore Nursing Students. International Journal of Bio-Science and Bio-Technology, 5(4), 73-80.
131.	Ndiwane, Koul, & Theroux	2014	USA, Massachusetts	University (University of Massachusetts)	Accelerated graduate nursing program students (Year 1)	Cultural Competency	Ndiwane, A., Koul, O., & Theroux, R. (2014). Implementing standardized patients to teach cultural competency to graduate nursing students. Clinical Simulation in Nursing, 10(2), e87-e94.
132.	Obizoba	2014	USA	University	BSN nursing students	Nursing competencies based on Quality and Safety Education for Nursing (QSEN) project	Obizoba, C. O. (2014). Exploration of nursing faculty members' lived experiences of objective structured clinical examination (OSCE) in undergraduate nursing education (Doctoral dissertation, Capella University). Retrieved from ProQuest.
133.	Mitchell et al.	2014	Australia	University	Midwifery students (Year 1)	Post-natal assessment or newborn assessment	Mitchell, M. L., Jeffrey, C. A., Henderson, A., Glover, P., Nulty, D. D., Kelly, M. A., ... & Knight, S. (2014). Using an Objective Structured Clinical Examination for Bachelor of Midwifery students' preparation for practice. Women and Birth, 27(2), 108-113.
134.	Muldoon, Biesty, & Smith	2014	Ireland	University (Trinity College Dublin)	Midwifery students (Year 3)	Lactation and infant feeding practices	Muldoon, K., Biesty, L., & Smith, V. (2014). 'I found the OSCE very stressful': student midwives' attitudes towards an objective

No	Author	Year	Country	Study Site	Participant	Subject	References
							structured clinical examination (OSCE). Nurse education today, 34(3), 468-473.
135.	Wunder et al.	2014	USA	University	NP/APN students (Nurse anaesthesia students - Sem 1)	Nurse anaesthesia competencies	Wunder, L.L, Glymph, D.C., Newman, J., Gonzalez, V., Gonzalez, J.E., & Groom, J.A. (2014). Objective Structured Clinical Examination as an Educational Initiative for Summative Simulation Competency Evaluation of First-Year Student Registered Nurse Anesthetists' Clinical Skills. AANA Journal, 82(6), 419 - 425.
136.	Muthamilselvi & Ramanadin	2014	India	College	NR	NR	Muthamilselvi, G., & Ramanadin, P. V. (2014). Objective Structured Clinical Examination-Emerging Trend in Nursing Profession. International Journal of Nursing Education, 6(1), 43.
137.	Chang, Hsieh, & Hsu	2014	Taiwan	Hospital	Nurses	Discharge processes competencies	Chang, W. H., Hsieh, S. I., & Hsu, L. L. (2014). The use of OSCE to evaluate the competency of discharge nurses. Hu Li Za Zhi, 61(3), 45.
138.	Healer	2014	United Kingdom	University	Nursing students	Breastfeeding knowledge	Healer, E. (2014). The use of objective structured clinical examination (OSCE) in the assessment of breastfeeding knowledge. MIDIRS Midwifery Digest, 24(4), 419-423.
139.	De Medeiros, Pereira, Tourinho, Fernandes, & Santos	2014	Brazil	University	Nursing students	NR	de Medeiros, B., Pereira, D.F.D., Tourinho, S.V., Fernandes, G.G., & Santos, E.P. (2014). Objective Structured Clinical Examinations: Reflections from A Nursing Perspective. Cogitare Enfermagem, 19(1), 331-338.
140.	Raurell-Torreda et al.	2014	Spain	University	Nursing students (Year 4)	Year 4 nursing skills	Raurell-Torreda, M., Olivet Pujol, J., Romero Collado, A., Bonmata Tomás, A., Baltasar Bagua, A., & Patiato Masa, J. (2014). Objective Structured Clinical Examinations (OSCE) on fourth-year undergraduate nursing students at University of Girona. Agora De Enfermeria, 18(1), 5-7.

No	Author	Year	Country	Study Site	Participant	Subject	References
141.	Hemingway , Stephenso n, Roberts, & McCann	2014	United Kingdom	University (University of Huddersfield)	Nursing students (Mental health and learning disability)	Medicine administration	Hemingway, S., Stephenson, J., Roberts, B., & McCann, T. (2014). Mental health and learning disability nursing students' perceptions of the usefulness of the objective structured clinical examination to assess their competence in medicine administration. <i>International journal of mental health nursing</i> , 23(4), 364-373.
142.	Jeffery et al.	2014	Australia	University	Postgraduate nursing students (Advanced Remote Nursing Practice and Pharmacotherapeutics)	Client consultation/health assessment	Jeffery, C. A., Mitchell, M. L., Henderson, A., Lenthall, S., Knight, S., Glover, P., ... & Groves, M. (2014). The value of best-practice guidelines for OSCEs in a postgraduate program in an Australian remote area setting. <i>Rural and remote health</i> , 14(3), 2469-1.
143.	Araya, Apip, & Navarrete	2014	Chile	University	Undergraduate nursing students	Nursing skills	Araya, S.B., Apip, P.M., & Wright Navarrete, A.C. (2014). Interactive computational adaptation of an objective structured clinical examination for nursing [Adaptación interactiva computacional de un examen clínico objetivo estructurado para Enfermería]. <i>Revista Cubana de Educacion Medica Superior</i> , 28(4), 667-676.
144.	Bogossian et al.	2014	Australia	Universities (three sites)	Undergraduate nursing students (Final Year)	Handling patient deterioration	Bogossian, F., Cooper, S., Cant, R., Beauchamp, A., Porter, J., Kain, V., ... & Phillips, N. M. (2014). Undergraduate nursing students' performance in recognising and responding to sudden patient deterioration in high psychological fidelity simulated environments: an Australian multi-centre study. <i>Nurse education today</i> , 34(5), 691-696.
145.	East, Peters, Halcomb, Raymond, &	2014	Australia	University	Undergraduate nursing students (Year 1)	Preoperative checklist including vital signs taking and administration	East, L., Peters, K., Halcomb, E., Raymond, D., & Salamonson, Y. (2014). Evaluating objective structured clinical assessment (OSCA) in undergraduate nursing. <i>Nurse education in practice</i> , 14(5), 461-467.

No	Author	Year	Country	Study Site	Participant	Subject	References
	Salamonson					of an oral medication	
146.	Rush, Ooms, Marks-Maran, & Firth	2014	United Kingdom	University (Kingston University)	Undergraduate nursing students (Year 1)	Multiple nursing skills	Rush, S., Ooms, A., Marks-Maran, D., & Firth, T. (2014). Students' perceptions of practice assessment in the skills laboratory: An evaluation study of OSCAs with immediate feedback. <i>Nurse education in practice</i> , 14(6), 627-634.
147.	Merriman, Stayt, & Ricketts	2014	United Kingdom	University (Oxford Brookes University)	Undergraduate nursing students (Year 1)	Recognize and Assess the Deteriorating Patient	Merriman, C. D., Stayt, L. C., & Ricketts, B. (2014). Comparing the effectiveness of clinical simulation versus didactic methods to teach undergraduate adult nursing students to recognize and assess the deteriorating patient. <i>Clinical Simulation in Nursing</i> , 10(3), e119-e127.
148.	Fan, Wang, Chao, Jane, & Hsu	2015	Taiwan	University campuses (Two sites)	BSN nursing students (Year 2)	Medical–surgical nursing course	Fan, J. Y., Wang, Y. H., Chao, L. F., Jane, S. W., & Hsu, L. L. (2015). Performance evaluation of nursing students following competency-based education. <i>Nurse education today</i> , 35(1), 97-103.
149.	Yigzaw et al.	2015	Ethiopia	Colleges / Public training institutions (25 sites)	Midwifery students (Diploma to Degree level)	Essential competencies for basic midwifery practice defined by the International Confederation of Midwives (ICM)	Yigzaw, T., Ayalew, F., Kim, Y. M., Gelagay, M., Dejene, D., Gibson, H., ... & Stekelenburg, J. (2015). How well does pre-service education prepare midwives for practice: competence assessment of midwifery students at the point of graduation in Ethiopia. <i>BMC medical education</i> , 15(1), 130.
150.	Bentley, Hexom, & Nelson	2015	Liberia	Hospital	Midwives	Prenatal ultrasound	Bentley, S., Hexom, B., & Nelson, B. P. (2015). Evaluation of an obstetric ultrasound curriculum for midwives in Liberia. <i>Journal of Ultrasound in Medicine</i> , 34(9), 1563-1568.
151.	Clark	2015	USA, Indiana	University	NP/APN students	History taking and physical examination	Clark, C. A. (2015). Evaluating nurse practitioner students through objective structured clinical examination. <i>Nursing education perspectives</i> , 36(1), 53-54.

No	Author	Year	Country	Study Site	Participant	Subject	References
152.	Goo et al.	2015	Singapore	Hospital	Nurses (Nurse clinicians)	Advanced nursing competencies for nurse clinicians	Goo, L. K., Tan, S. L., Ng, L., Tan, Y. H., Leong, J. M., Lai, S. M., ... Pua, L. H. (2015). Impact of an outcome-based assessment on patient nurse clinicians' competencies. <i>Annals of the Academy of Medicine Singapore</i> , 44(10), S244.
153.	Hsu, Chang, & Hsieh	2015	Taiwan	University (Taipei Uni of Nursing and Health Science)	Nurses	Discharge planning communication	Hsu, L. L., Chang, W. H., & Hsieh, S. I. (2015). The effects of scenario-based simulation course training on nurses' communication competence and self-efficacy: a randomized controlled trial. <i>Journal of Professional Nursing</i> , 31(1), 37-49.
154.	Preston-Safarz & Bolick	2015	USA, New England	College	Nurses (enrolled in the RN to BSN program)	Health assessment	Preston-Safarz, P., & Bolick, B. N. (2015). A Pilot Study to Implement and Evaluate the Use of Objective Structured Clinical Examinations in an RN to BSN in Nursing Program. <i>Clinical Simulation in Nursing</i> , 11(1), 59-63.
155.	Hsieh	2015	Taiwan	College	Nursing students	NR	Hsieh, M.L. (2016). [Creative Use of Integrated OSCE]. <i>Tzu Chi Nurs J</i> , 14(3), 22-24. / 謝美玲 (2015). 創意翻轉. OSCE 整合教學. <i>Tzu Chi Nursing Journal</i> , 14(3), 22-24.
156.	Anan et al.	2015	Japan	University	Nursing students	Integration of knowledge and skills	Anan, A., Nagamatsu, Y., Chou, S., Sato, A., Matsuoka, C., Toyofuku, K., ... & Nakamae, M. (2015). Implementation of objective structured clinical examination I of the department of Nursing--Introduction of Simulation-Based education. <i>Journal of UOEH</i> , 37(4), 305-312.
157.	Framp, Downer, & Layh	2015	Australia	University	Nursing students	Nursing skills	Framp, A., Downer, T., & Layh, J. (2015). Using video assessments as an alternative to the Objective Structured Clinical Examination (OSCE). <i>Australian Nursing and Midwifery Journal</i> , 23(1), 42.
158.	Jian & Chou	2015	Taiwan	University (Kaohsiung	Nursing students	Clinical skills	Jian, S. Y., & Chou, F. H. (2014, November). An experience and evaluation

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				Medical University)			of objective structured clinical examination in nursing education at Kaohsiung Medical University. Proceedings of the 4th International Conference on Healthcare Ergonomics and Patient Safety. Taipei, Taiwan: CRC Press.
159.	Endacott et al.	2015	Australia	Universities and rural hospital (three sites)	Nursing students (Final-year) and registered nurses	Leadership and teamwork in medical emergencies	Endacott, R., Bogossian, F. E., Cooper, S. J., Forbes, H., Kain, V. J., Young, S. C., & Porter, J. E. (2015). Leadership and teamwork in medical emergencies: performance of nursing students and registered nurses in simulated patient scenarios. <i>Journal of clinical nursing</i> , 24(1-2), 90-100.
160.	Pegram & Fordham-Clarke	2015	United Kingdom, London	University (King's College London)	Nursing students (Year 1)	Clinical skills module	Pegram, A., & Fordham-Clarke, C. (2015). Implementing peer learning to prepare students for OSCEs. <i>British Journal of Nursing</i> , 24(21), 1060-1065.
161.	Ginsburg et al.	2015	Canada, Ontario	University	Nursing students (Year 3)	Patient safety competencies (e.g. managing safety risks, culture of safety, communication)	Ginsburg, L. R., Tregunno, D., Norton, P. G., Smee, S., de Vries, I., Sebok, S. S., ... & Medves, J. (2015). Development and testing of an objective structured clinical exam (OSCE) to assess socio-cultural dimensions of patient safety competency. <i>BMJ Qual Saf</i> , 24(3), 188-194.
162.	Selim & Dawood	2015	Egypt	University	Nursing students enrolled in psychiatric nursing modules	Psychiatric nursing competencies	Selim, A. A., & Dawood, E. (2015). Objective structured video examination in psychiatric and mental health nursing: a learning and assessment method. <i>Journal of Nursing Education</i> , 54(2), 87-95.
163.	Gil, Oh, Shin, Park, Lee, & Park	2015	South Korea	College	Undergraduate nursing students	Nasogastric tube competencies	Gil, E., Oh, H., Shin, S., Park, Y., Lee, Y., & Park, J. A. (2015). Comparison of Confidence in Practice and Satisfaction by Feedback Types Following Objective Structured Clinical Examination (OSCE) among Nursing Students-Focus on Intermittent Gavage Tube Feeding. <i>Journal</i>

No	Author	Year	Country	Study Site	Participant	Subject	References
							of Korean Academy of Fundamentals of Nursing, 22(3), 318-327.
164.	Meskeil et al.	2015	Ireland	University (National University of Ireland)	Undergraduate nursing students (Year 1)	Basic nursing skills (handwashing, blood pressure measurement, manual handling and documentation)	Meskeil, P., Burke, E., Kropmans, T. J., Byrne, E., Setyonugroho, W., & Kennedy, K. M. (2015). Back to the future: An online OSCE Management Information System for nursing OSCEs. Nurse education today, 35(11), 1091-1096.
165.	Sheahan, While, & Bloomfield	2015	Ireland	College (Waterford Institute of Technology)	Undergraduate nursing students (Year 1)	hand washing, subcutaneous injection and nebuliser therapy	Sheahan, L., While, A., & Bloomfield, J. (2015). An exploratory trial exploring the use of a multiple intelligences teaching approach (MITA) for teaching clinical skills to first year undergraduate nursing students. Nurse education today, 35(12), 1148-1154.
166.	Mitchell et al.	2015	Australia	Universities (four sites)	Undergraduate nursing students, undergraduate midwifery students, and postgraduate Masters of Nursing students (Remote Area Nursing)	Holistic nursing competence	Mitchell, M. L., Henderson, A., Jeffrey, C., Nulty, D., Groves, M., Kelly, M., ... & Glover, P. (2015). Application of best practice guidelines for OSCEs—An Australian evaluation of their feasibility and value. Nurse education today, 35(5), 700-705.
167.	Cazzell & Anderson	2016	USA, Texas	University (University of Texas)	BSN nursing students enrolled in the paediatric course (Senior-year)	Paediatric medication administration	Cazzell, M., & Anderson, M. (2016). The impact of critical thinking on clinical judgment during simulation with senior nursing students. Nursing education perspectives, 37(2), 83-90.
168.	Bowling & Underwood	2016	USA	University	BSN students (Junior-years)	Paediatric nursing competencies	Bowling, A. M., & Underwood, P. W. (2016). Effect of simulation on knowledge, self-confidence, and skill performance in the USA: A quasi-experimental study. Nursing & health sciences, 18(3), 292-298.
169.	Killingley & Dyson	2016	United Kingdom	University (Middlesex University)	Midwifery students (Year 2)	NR	Killingley, J., & Dyson, S. (2016). Student midwives' perspectives on efficacy of feedback after objective structured clinical

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							examination. British Journal of Midwifery, 24(5), 362-368.
170.	Cuevas & Timmerman	2016	USA, Texas	University (University of Texas)	NP/APN students (Clinical nurse specialist)	Lifestyle change coaching	Cuevas, H. E., & Timmerman, G. M. (2016). Use of an Objective Structured Clinical Examination in Clinical Nurse Specialist Education. Clinical Nurse Specialist, 30(3), 172-176.
171.	Benbenek et al.	2016	USA, Minnesota	University (University of Minnesota)	NP/APN students (Doctoral programs)	Approaches to case scenarios (different conditions)	Benbenek, M., Dierich, M., Wyman, J., Avery, M., Juve, C., & Miller, J. (2016). Development and Implementation of a Capstone Objective Structured Clinical Examination in Nurse Practitioner and Nurse-Midwifery Programs. Nurse educator, 41(6), 288-293.
172.	Reyes & Rodriguez	2016	USA	University	NP/APN students (Paediatrics)	Clinical decision to different case scenarios	Reyes, I., & Rodriguez, J. (2016). Conducting Objective Structured Clinical Exams in a Pediatric Nurse Practitioner Program Using Google Tools. The Journal for Nurse Practitioners, 12(8), 566-573.
173.	Hojat, Raofi, Talaghani, & Shahriari	2016	Iran	Hospital	Nurses	Resuscitation skills	Hojat, M., Raofi, R., Talaghani, F., & Shahriari, M. (2016). Improving nursing performance quality in CPR: a cooperative action research study. Journal of Global Pharma Technology, 8(6), 67-73.
174.	Yang, Hsu, Chiang, & Tseng	2016	Taiwan	Hospital	Nurses	Percutaneously Inserted Central Catheters - nursing care	Yang, P. H., Hsu, H. C., Chiang, C. C., & Tseng, Y. S. (2016). [Improving the Care Accuracy of Percutaneously Inserted Central Catheters Using Objective Structured Clinical Examination]. Hu Li Za Zhi, 63(3), 112.
175.	Saiboon et al.	2016	Malaysia	Hospital	Nurses (Non-critical care)	Performing AED defibrillation	Saiboon, I. M., Qamruddin, R. M., MBBch, B. A. O., Jaafar, J. M., Bakar, A. A., Hamzah, F. A., ... & Robertson, C. E. (2016). Effectiveness of teaching automated external defibrillators use using a traditional classroom instruction versus self-instruction video in non-critical care nurses. Saudi medical journal, 37(4), 429.

No	Author	Year	Country	Study Site	Participant	Subject	References
176.	Kibwana et al.	2016	Ethiopia	Universities and regional health science colleges (RHSC) (six sites)	Nurses who graduated from a one-year diploma program in anaesthesia and graduates four-year anaesthetist training program.	Anaesthetist competencies (e.g. endotracheal intubation, resuscitation skills, history taking and physical examination, etc.)	Kibwana, S., Woldemariam, D., Misganaw, A., Teshome, M., Akalu, L., Kols, A., ... & Stekelenburg, J. (2016). Preparing the health workforce in Ethiopia: a cross-sectional study of competence of anesthesia graduating students. <i>Education for Health</i> , 29(1), 3. DOI: 10.4103/1357-6283.178931
177.	Bagnasco et al.	2016	Italy	University (eight branch campuses)	Nursing student (Year 1)	Communication skills	Bagnasco, A., Tolotti, A., Pagnucci, N., Torre, G., Timmins, F., Aleo, G., & Sasso, L. (2016). How to maintain equity and objectivity in assessing the communication skills in a large group of student nurses during a long examination session, using the Objective Structured Clinical Examination (OSCE). <i>Nurse education today</i> , 38, 54-60.
178.	Wang	2016	China, Jiangsu	College	Nursing students	Nursing skills	Wang F.L. (2016). [The Application of Overturning Classroom Combined with OSCE Teaching Mode in Internal Medicine Nursing Experiment Teaching]. <i>Chinese Nurs Res</i> , 30(12A), 4291-4293. doi:10.3969/j.issn.1009-6493.2016.34.019. / 王凤丽. / Wang, F. L. (2016). 翻转课堂结合 OSCE 教学模式在内科护理学实验教学中的应用. <i>护理研究: 下旬版</i> , 30(12), 4291-4293.
179.	Costa et al.	2016	Brazil	University	Nursing students	Nursing skills	Costa, R. A., de Medeiros Araújo, J. N., de Lima Fernandes, A. P. N., da Silva Soares, R. P., Júnior, M. A. F., & Vitor, A. F. (2016). Objective structured clinical examination in the teaching and apprenticeship of clinical nursing: an experience report. <i>Journal of</i>

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							Nursing UFPE on line-ISSN: 1981-8963, 10(6), 2273-2278.
180.	Claramita, Tuah, Riskione, Prabandari, & Effendy	2016	Indonesia	College	Nursing students (Year 3)	Communication skills	Claramita, M., Tuah, R., Riskione, P., Prabandari, Y. S., & Effendy, C. (2016). Comparison of communication skills between trained and untrained students using a culturally sensitive nurse–client communication guideline in Indonesia. <i>Nurse education today</i> , 36, 236-241.
181.	Goh, Tang, Devi, Ng & Lim	2016 2017*	Singapore	College	Nursing students (Year 3)	Nursing competencies based on the Singapore Nursing Board	Goh, H. S., Tang, M. L., Devi, M. K., Ng, K. C. E., & Lim, L. M. (2016). Testing the Psychometric Properties of Objective Structured Clinical Examination (OSCE) in Nursing Education in Singapore. <i>Singapore Nursing Journal</i> , 43(1). Goh, H. S., Devi, M. K., Tang, M. L., & Ng, K. C. E. (2017). Exploring Nurses' Perception towards Objective Structured Clinical Examination in Singapore: An Exploratory Cross-sectional Study. <i>Singapore Nursing Journal</i> , 44(1).
182.	Traynor, Galanouli, Rice, & Lynn	2016	United Kingdom, Northern Ireland	University	Nursing students (Year 3)	History taking, physical examination and management	Traynor, M., Galanouli, D., Rice, B., & Lynn, F. (2016). Evaluating the objective structured long examination record for nurse education. <i>British Journal of Nursing</i> , 25(12), 681-687.
183.	Zaudke et al.	2016	USA, Kansas	University	Nursing students (Year 4) (participants include medical and pharmacy students)	Interprofessional communication and teamwork	Zaudke, J. K., Chestnut, C., Paolo, A., & Shrader, S. (2016). The impact of an interprofessional practice experience on student behaviors related to interprofessional communication and teamwork. <i>Journal of Interprofessional Education & Practice</i> , 4, 9-13.
184.	Ha	2016	South Korea	College (Red Cross College of Nursing)	Undergraduate nursing students (Year 3)	Core nursing competencies (based on national professional guidelines)	Ha, E. H. (2016). Undergraduate nursing students' subjective attitudes to curriculum for Simulation-based objective structured clinical examination. <i>Nurse education today</i> , 36, 11-17. https://doi.org/10.1016/j.nedt.2015.05.018

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185.	Ndiwane, Baker, Makosky, Reidy, & Guarino	2017	USA, Massachusetts	University	NP/APN students	Advanced health assessment and cultural competencies	Ndiwane, A. N., Baker, N. C., Makosky, A., Reidy, P., & Guarino, A. J. (2017). Use of Simulation to Integrate Cultural Humility Into Advanced Health Assessment for Nurse Practitioner Students. <i>Journal Of Nursing Education</i> , 56(9), 567-571. doi:10.3928/01484834-20170817-11
186.	Aronowitz, Aronowitz, Mardin-Small, & Kim	2017	USA, Massachusetts	University	NP/APN students	Assessment skills and developing differential diagnoses; health promotion; ethical issues	Aronowitz, T., Aronowitz, S., Mardin-Small, J., & Kim, B. (2017). Using Objective Structured Clinical Examination (OSCE) as Education in Advanced Practice Registered Nursing Education. <i>Journal of Professional Nursing</i> , 33(2), 119-125.
187.	Ashish et al.	2017	Nepal	Hospital	Nurses	Routine care of newborn and neonatal resuscitation	Ashish, K. C., Wrammert, J., Nelin, V., Clark, R. B., Ewald, U., Peterson, S., & Målqvist, M. (2017). Evaluation of Helping Babies Breathe Quality Improvement Cycle (HBB-QIC) on retention of neonatal resuscitation skills six months after training in Nepal. <i>BMC pediatrics</i> , 17(1), 103.
188.	Sawhney et al.	2017	Canada, Ontario	Hospital	Nurses	Assessment of patient undergoing epidural analgesia	Sawhney, M., Wong, M., Luctkar-Flude, M., Jussaume, L., Eadie, C., Bowry, R., & Wilson, R. (2017). Using Simulation to Enhance Education Regarding Epidural Analgesia for Registered Nurses. <i>Pain Management Nursing</i> .
189.	Wu, Yin, Chen, & Wu	2017	China	University	Nursing students	Nursing skills	Wu, Y.J., Yin, Y.T., Chen, L.J., & Wu, Q. (2017). [Design and evaluation of objective structured clinical examinations for undergraduate nursing students in Chinese medicine colleges]. <i>Chinese Nurs Res</i> , 31(15), 1881-1884. doi:10.3969/j.issn.1009-6493.2017.15.028. / 吴雅晶, 尹永田, 陈莉军, & 吴琼. (2017). 中医院校护理本科生客观

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							结构化临床考试设计及效果评价. 护理研究: 下旬版, 31(5), 1881-1884.
190.	Deng	2017	China	University	Nursing students	Nursing skills	Deng, F.F. (2017). [Application of Clinical Teaching Evaluation in Nursing Students' Clinical Nursing Ability Training]. Chinese Nurs Res, 31(19), 2308-2311. doi:10.3969/j.issn.1009-6493.2017.19.002. / 邓菲菲. (2017). 临床教学评价在护生临床护理能力培养中的应用进展. 护理研究: 上旬版, 31(7), 2308-2311.
191.	Xie, Wang, & Bai	2017	China	University	Nursing students	Nursing skills	Xie, Q.Q., Wang, J.J., & Bai, Q.W. (2017). [Application of OSCE in nursing skills assessment of nursing students in international nursing program]. Chinese Nurs Res, 31(7), 847-849. doi:10.3969/j.issn.1009-6493.2017.07.025. / 谢青青, 王晶晶, & 白蔷薇. (2017). OSCE在涉外护理专业护生技能考核中的应用. 护理研究, (2017 年 07), 847-849.
192.	Jin et al.	2017	China	University	Nursing students	Nursing skills	Jin, S.Y., Li, L., Liu, W.H., Li, H., Huang, Y. J., ... Peng, Z. S. (2017) [Application of OSCE in assessment of clinical ability of anesthetic specialist nurses]. Chinese Nurs Res. 2017;31(27):3446-3448. doi:10.3969/j.issn.1009-6493.2017.27.028. / 金松洋, 李露, 刘卫华·李恒, 黄玉琼·曾彩颂·彭智甦. (2017). OSCE在麻醉专科护士临床能力考核中的应用. 护理研究, 31(27), 3446 -3448.
193.	Murcott & Clarke	2017	United Kingdom	University	Nursing students (Mental health)	Mental health assessment	Murcott, W. J., & Clarke, N. (2017). Objective structured clinical exam: a successful approach to pre-registration mental health nurse assessment. Journal Of Mental Health Training, Education &

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							Practice, 12(2), 90-97. doi:10.1108/JMHTEP-06-2016-0031
194.	Vijayalakshmi & Revathi	2017	India	College	Nursing students (Year 3)	Psychiatric nursing assessment, diagnosis, interventions (procedures)	Vijayalakshmi, K., & Revathi, S. (2017). Performance of nursing students in psychiatric nursing using objective structured clinical examination (OSCE) versus traditional practical examination (TPE)- A comparative approach. Asian Journal of Nursing Education and Research, 7(4), 561-568. http://dx.doi.org.libproxy1.nus.edu.sg/10.5958/2349-2996.2017.00109.4
195.	Miranda et al.	2017	Brazil	Universities (two sites)	Nursing students enrolled in the fifth period of their nursing program	Bed baths	Miranda, R. P. R., Chaves, É. D. C. L., Lima, R. S., Braga, C. G., Simões, I. A. R., Fava, S. M. C. L., & Iunes, D. H. (2017). The effectiveness of a simulated scenario to teach nursing students how to perform a bed bath: A randomized clinical trial. Nurse education today, 57, 17-23.
196.	Solà, Pulpón, Morin, Sancho, Clèries, & Fabrellas	2017	Spain	Universities & Colleges (eight Catalan Nursing Schools)	Undergraduate nursing students	Nursing competencies	Solà, M., Pulpón, A. M., Morin, V., Sancho, R., Clèries, X., & Fabrellas, N. (2017). Towards the implementation of OSCE in undergraduate nursing curriculum: A qualitative study. Nurse education today, 49, 163-167.
197.	Brighton, Mackay, Brown, Jans, & Antoniou	2017	Australia	University	Undergraduate nursing students	Nursing skills	Brighton, R., Mackay, M., Brown, R. A., Jans, C., & Antoniou, C. (2017). Introduction of Undergraduate Nursing Students to an Objective Structured Clinical Examination. Journal of Nursing Education, 56(4), 231-234.
198.	Chongloi, Thomas, Hansaram, Ara, & Deepak	2017	India	College	Undergraduate nursing students (Year 1 to 4)	Nursing skills	Chongloi, N., Thomas, P., Ara, M., & Deepak, K. K. (2017). Attitudes of undergraduate nursing students toward Objective Structure Practical Examination: An Exploratory study. International Journal of Nursing Sciences, 4(1), 68-72.

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199.	Lee, Yu, Hsieh, Li, & Chao	2018	Taiwan	University	BSN nursing students (Year 2)	Empathy	Lee, K. C., Yu, C. C., Hsieh, P. L., Li, C. C., & Chao, Y. F. C. (2018). Situated teaching improves empathy learning of the students in a BSN program: A quasi-experimental study. <i>Nurse education today</i> , 64, 138-143.
200.	Malakooti, Bahadoran, & Ehsanpoor	2018	Iran	University	Midwifery students	Midwifery competencies	Malakooti, N., Bahadoran, P., & Ehsanpoor, S. (2018). Assessment of the midwifery students' clinical competency before internship program in the field based on the objective structured clinical examination. <i>Iranian journal of nursing and midwifery research</i> , 23(1), 31.
201.	Cormack, Jensen, Durham, Smith, & Dumas	2018	USA	University	NP/APN students	NP competencies	Cormack, C. L., Jensen, E., Durham, C. O., Smith, G., & Dumas, B. (2018). The 360-degree evaluation model: A method for assessing competency in graduate nursing students. A pilot research study. <i>Nurse education today</i> , 64, 132-137.
202.	Day, Barker, Bell, Sefcik, & Flournoy	2018	USA	University	NP/APN students	Health assessment & differential diagnosis	Day, C., Barker, C., Bell, E., Sefcik, E., & Flournoy, D. (2018). Flipping the Objective Structured Clinical Examination: A Teaching Innovation in Graduate Nursing Education. <i>Nurse educator</i> , 43(2), 83-86.
203.	Ling, Fuller, Taylor, & Johnson	2018	USA	University	NP/APN students (Women and Family)	Health assessment & differential diagnosis	Ling, C., Fuller, A., Taylor, L., & Johnson, H. (2018). Triangulation of Multifactorial Assessment: Bringing Objectivity to Objective Structured Clinical Examination Evaluation. <i>Clinical Simulation In Nursing</i> , 16, 40-47.
204.	Wikandar & Bouchoucha	2018	Australia	University	Nursing students (Year 1 to 3)	Nursing skills	Wikander, L., & Bouchoucha, S. L. (2018). Facilitating peer based learning through summative assessment—An adaptation of the Objective Structured Clinical Assessment tool for the blended learning environment. <i>Nurse education in practice</i> , 28, 40-45.

Legend:

NR = Not reported; NA = Not applicable; OSCE = objective structured clinical examination; OSCA = objective structured clinical assessment; OSPE = objective structured practical examination; BSN = Bachelor of Science Nursing; BN = Bachelor of Nursing; B.Cur = Baccalaureus Curationis [Bachelor of Nursing Science]; NP = Nurse Practitioner; APN = Advanced Practice Nurse; ICU = Intensive care unit; HDU = High dependency unit.