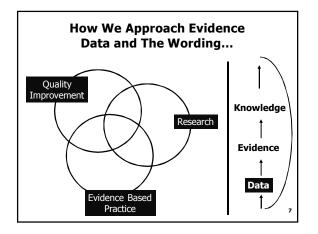
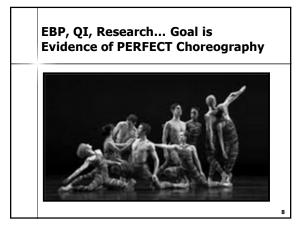
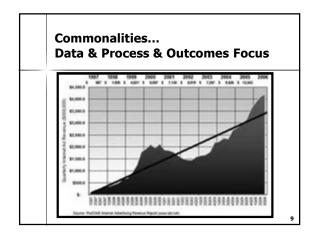
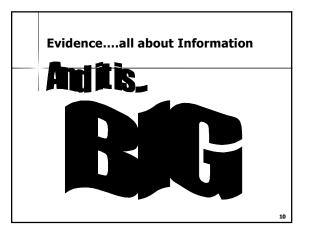


(AACN 2001, 2006, 2011; IOM, 2010) 6

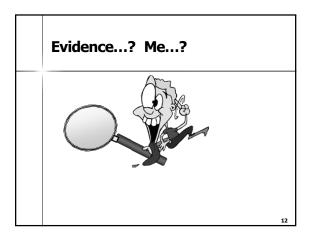


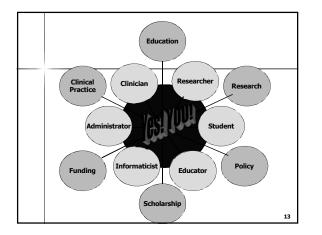


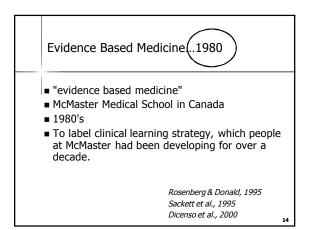


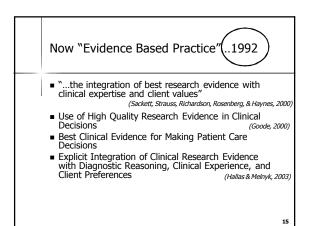


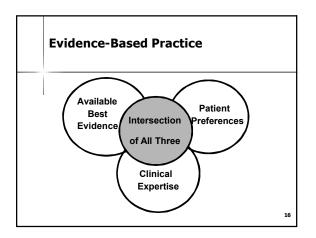


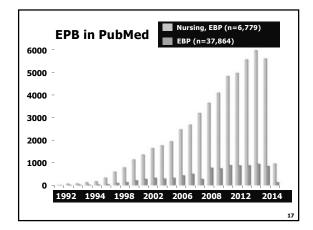




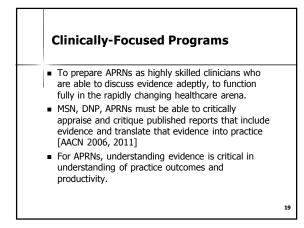


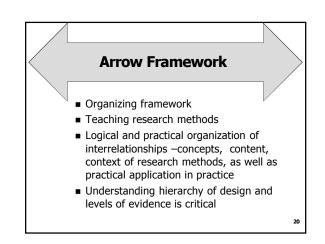


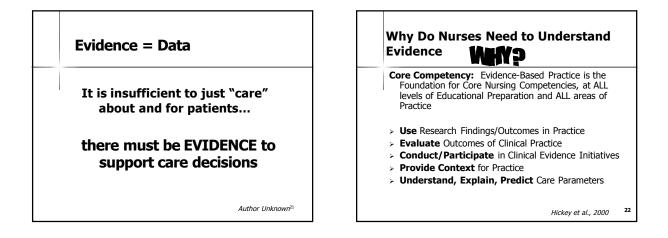


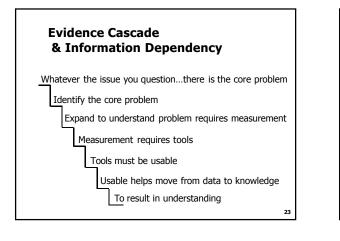


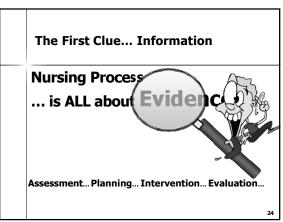


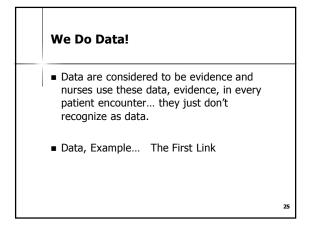




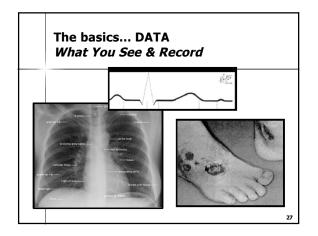


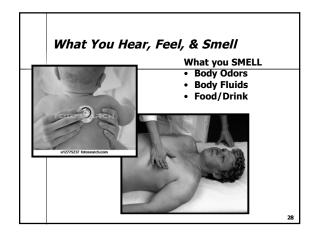


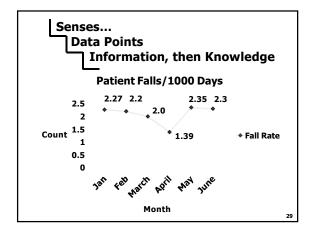




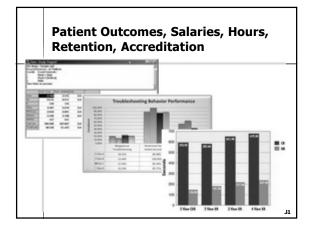
Test	Result		Unit	Reference Range
WBC	5.2		Thous/cu mm	3.9-11.1
RBC	3.51	L	Mil/ cu mm	4.20-5.70
HDBN	14.5		g/dL	13.2-16.9
нст	41.2		Percent	38.5-49.0
MCV	117	Н	fl	80-97
мсн	41.4	н	pg	27.5-33.5
мснс	35.3		Percent	32.0-36.0
RDW	11.8		Percent	11.0-15.0
PLATELET	172		Thous/cu mm	140-390
DIFFERENTIAL				
Tot Neutrophils	40.1		fl	38.0-80.0
Tot Lymphocytes	46.1		Percent	15.0-49.0
Monocytes	12.9		Percent	0.0-13.0
Eosinophils	0.6		Percent	0.0-8.0
Basophils	0.3		Percent	0.0-2.0

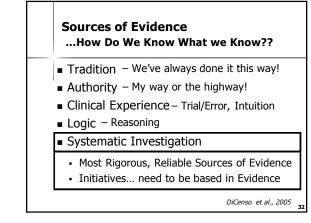


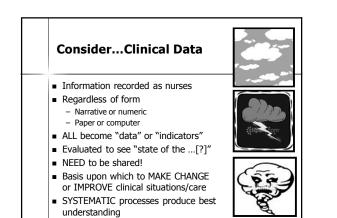


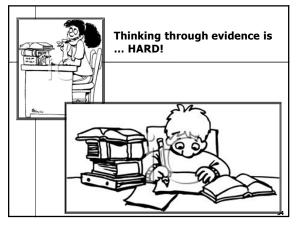


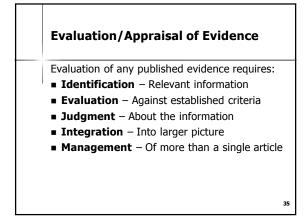


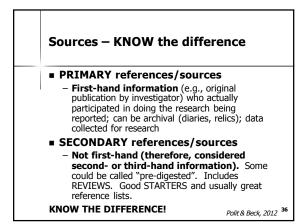


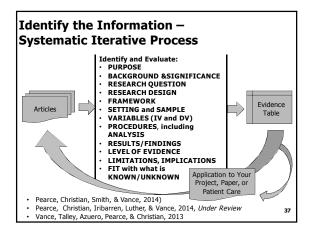


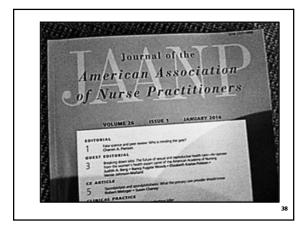


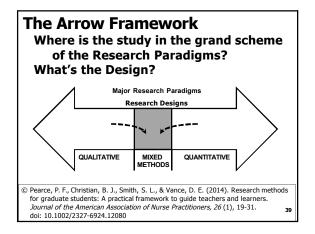




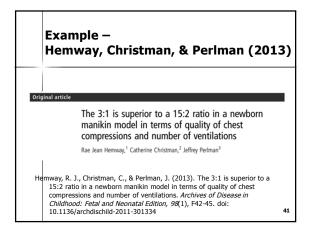


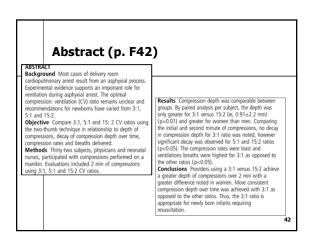




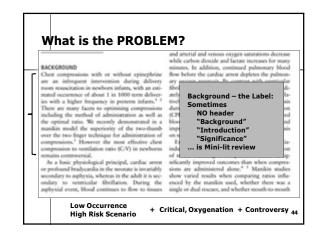


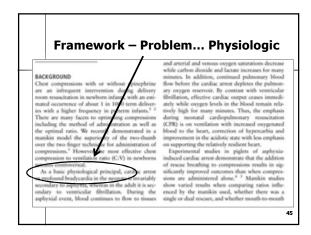
Research Design Comparison of Characteristics			
Qualitative	Quantitative		
> Particular-> General	> General -> Particular		
> Non-Traditional	> Traditional		
> Flexible, evolving	> Controlled		
> Multiple interpretations	> Cause-Effect		
< Objective Researcher	> Objective Researcher		
> Emphasis Text	> Emphasis #s		
> Rich, in-depth	> Superficial		
> Qual ( <quant) analysis<="" td=""><td>&gt; Quantitative Analysis</td></quant)>	> Quantitative Analysis		
< Generalization	> Generalization		

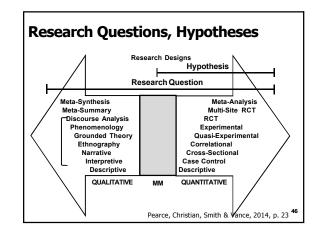


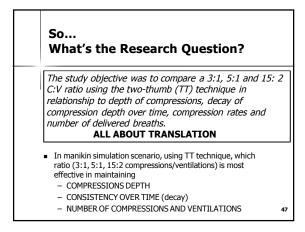


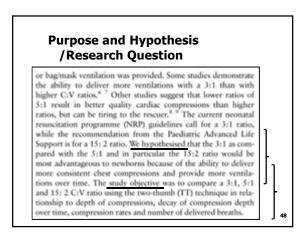
New York Pr	Nursing.         Authors (p. F42)           styterian         IRB (p. F44)
New York Pr Hospital, New USA <sup>3</sup> Department New York Pr Hospital, We	v Ýork, New York, of Pediatrics,
USA	
Correspon Jeffrey Perlin Pediatrics, M Presbyteria	Contributors All the authors were involved in the conception and design, analysis and interpretation of data. They were also involved in the drafting and revisions of the article for important intellectual content and gave final approval of the version to be published. There is no individual who met the above criteria not listed on the manuscript.
Correspon Jeffrey Perlit Pediatrics, N	and interpretation of data. They were also involved in the drafting and revisions of the article for important intellectual content and gave final approval of the version to be published. There is no individual who met the above criteria not listed on the
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Correspon Jeffrey Perlin Pediatrics, M Presbyteria	and interpretation of data. They were also involved in the drafting and revisions of the article for important intellectual content and gave final approval of the version to be published. There is no individual who met the above criteria not listed on the manuscript. Competing interests None.

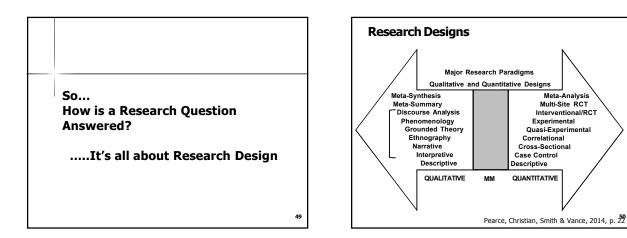


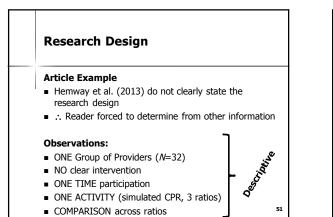


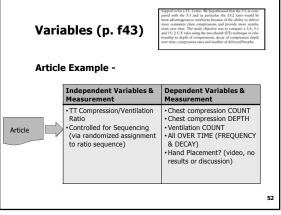


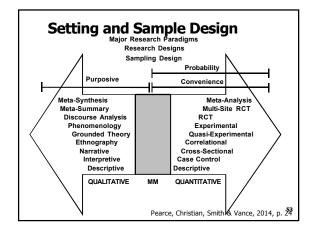


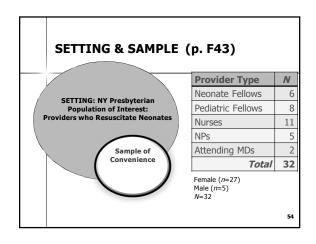


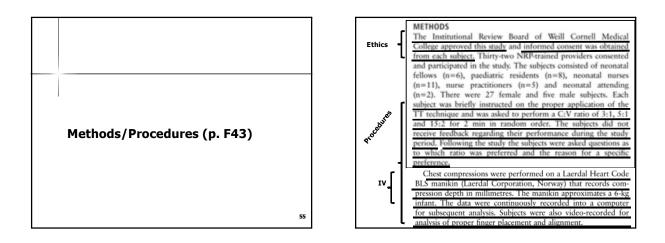




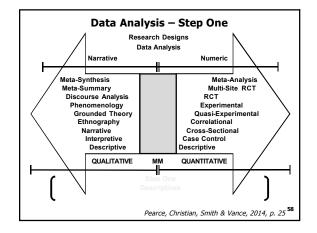


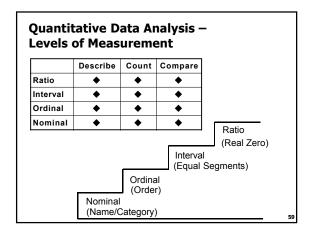


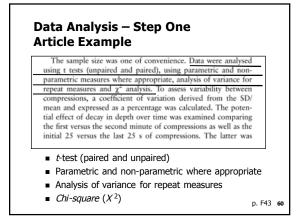


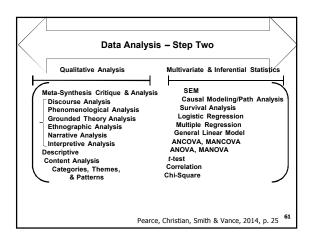


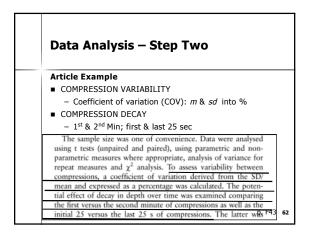
/ariable	How? Technique Laerdal BLS Manikin / Computer Across 3:1, 5:1, 15:2 Rotation
OMPRESSION	
COUNT	Count/min
DEPTH	mm/compression
VENTILATION	
COUNT	Count/min
ГІМЕ	Count
	Hand Placement & Alignment
Positioning	Video Recording
	Participant Ratio Preference
Preference	Self-reported w/Rationale











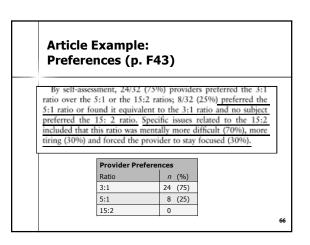
Data Analysis Table (Methods, p. F43)			
Variable	Descriptive:Frequencies	Comparisons	
COMPRESSION			
COUNT	Count/min/ sequence	COV 1 <sup>st</sup> & 2 <sup>nd</sup> min 1 <sup>st</sup> & final 25 sec	
DEPTH	Depth (mm)	Across Ratios	
VENTILATION			
COUNT	Count/min	Across Ratios	
TIME	Count		
Positioning	No information provided	None	
Preference	No information provided	None	

Results (p. F43) Use Table 1: Compressions & Ventilations						
Comp	ression	Depth and Rat	io & V	entilation Cour	nts (p-v	alue)
		3:1 ( <i>p</i> )		5:1 ( <i>p</i> )		15:2 ( <i>p</i> )
DEPTH (mm)	27.0	±5.3	26.7	±5.3	26.2	
COV (%)	5.5	±3.4	6.8	±2.6	7.1	
Decay						
1 <sup>st</sup> -2 <sup>nd</sup> 60 sec	0.36	±1.72 (0.11)	0.58	±1.51 (0.02)	0.86	±1.88 (.009)
1 <sup>st</sup> -last 25 sec	0.54	±1.64 (0.036)	0.98	±2.47 (0.01)	1.29	±2.71 (.007)
Compression /2 min	194.0	±36	213.0	±41*	225.0	±41**
Ventilation /2 min	64.0	±3.4***	42.0	±8	30.0	±5.4

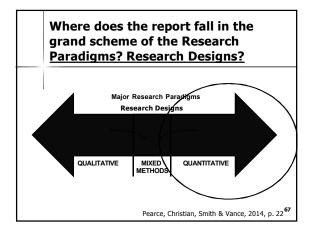
*p	=0.02 (3:1 v 5:1)	
يك با	0 004 (0 4 45 0)	

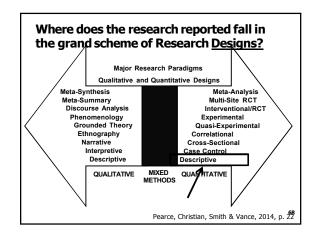
\*\*p=0.001 (3:1 v 15:2) \*\*\*p=0.00005 (all ratios different from each other)

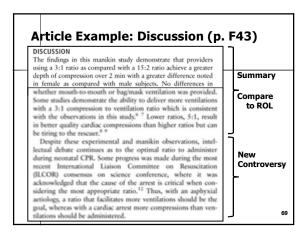
<b>RESULTS – SUMMARIZE</b> Compression Depth and Ratio & Ventilation Counts ( <i>p</i> -value)					
Comp		1			
Decay	3:1 (p)	5:1 (p)	15:2 ( <i>p</i> )		
1 <sup>st</sup> -2 <sup>nd</sup> 60 sec	0.36 ±1.72 (0.11)	0.58 ±1.51 (0.02)	0.86 ±1.88 (.009)		
1 <sup>st</sup> -last 25 sec	0.54 ±1.64 (0.036)	0.98 ±2.47 (0.01)	1.29 ±2.71 (.007)		
Compression /2 min	194.0 ±36	213.0 ±41*	225.0 ±41**		
Ventilation /2 min	64.0 ±3.4***	42.0 ±8	30.0 ±5.4		
		•			
			65		



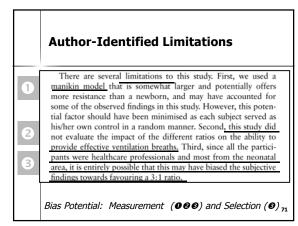
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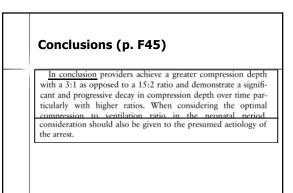




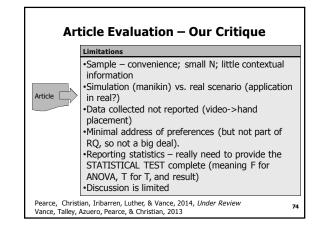


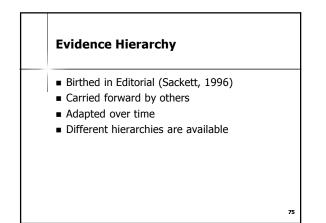
Article Example Education and C for Future Resea	linical Implications	
this debate. Thus, providers va during a 2-min paradigm, and 'des "Education" Mot	additional educational aspects to ry widely in the depth achieved some are unlikely to achieve the posterior diameter depth <sup>13</sup> urs over time particularly with a tios during the last phase of com- CPR is rare, reported in about 1	
to become competent in achiev depth over time irrespective of emphasis is on compressions d	critically important for providers ring a consistent and appropriate the ratio used. Otherwise, if the luring an asphyxia-related arrest, al compressions may further com- is circulation.	ro

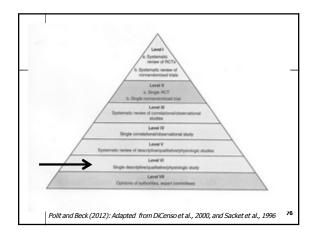


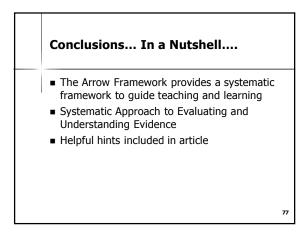


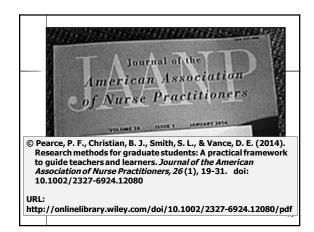
References Listed	
■ <i>N</i> =13	
Dated 1995 through 2011	
<ul> <li>All Journal Citations</li> </ul>	
– e.g., primary or secondary?	
6 peer-reviewed Journals represented	
<ul> <li>Current, Classic, Seminal?</li> <li>Do not limit to simply 5 years.</li> <li>Primary Sources or Secondary Sources?</li> </ul>	
Peer-reviewed or not	
<ul> <li>ROL – is often MINIMAL</li> <li>See Vance, Talley, Azuero, Pearce, &amp; Christian (2013)</li> </ul>	73

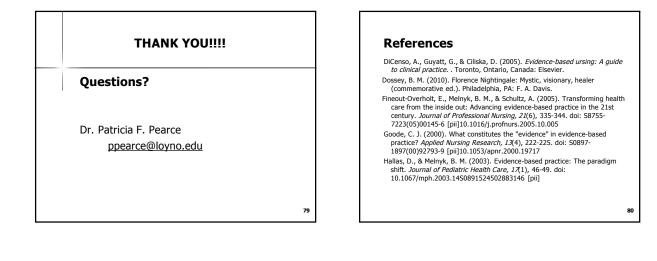












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## **References (Continued)**

- Hemway, R. J., Christman, C., & Perlman, J. (2013). The 3:1 is superior to a 15:2 ratio in a newborn manikin model in terms of quality of chest compressions and number of ventilations. *Archives of Disease in Childhood: Fetal and Neonatal Edition*, 98(1), F42-45. doi: 10.1136/archdischild-2011-301334
- Hickey, J. V., Ouimette, R. M., & Venegoni, S. L. (2000). Advanced practice nursing: Changing roles and clinical applications (Vol. 2 ed). Baltimore, Maryland: Lippincott Williams & Wilkins.
- Merriam Webster (1993). Merriam-Webster's collegiate dictionary (10th ed.). Springfield, MA: Merriam-Webster, Inc.
- Pearce, P. F., Christian, B. J., Smith, S. L., & Vance, D. E. (2014). Research methods for graduate students: A practical framework to guide teachers and learners. *Journal of the American Association of Nurse Practitioners*, 26(1), 19-31. doi: 10.1002/2327-6924.12080
- Pearce, P. F., Christian, B. J., Vance, D. E., Iribarren, S. J., & Luther, B. L. (2014, under review). Conducting an article critique for a qualitative research study: Perspectives for doctoral students and other novice readers.

## **References (Continued)**

Polit, D. F., & Beck, C. T. (2012). Nursing research: Generating and assessing evidence for nursing practice (9<sup>th</sup> ed.). Philadelphia, PA: Wolters Kluwer Health/Lippincott Williams & Wilkins.
Rosenberg, W., & Donald, A. (1995). Evidence based medicine: An approach to clinical problem-solving. *BMJ*, *310*(6987), 1122-1126.
Sackett, D. L., Rosenberg, W. M., Gray, J. A., Haynes, R. B., & Richardson, W. S. (1996). Evidence based medicine: what it is and what it isn't. *BMJ*, *312*(7023), 71-72.
Sackett, D. L., Straus, S. E., Richardson, W. S., Rosenberg, W., & Haynes, R. B. (2000). *Evidence-based medicine: How to practice and teach EBM*. London, England: Churchill Livingstone.
Vance, D. E., Talley, M., Azuero, A., Pearce, P. F., & Christian, B. J. (2013). Conducting an article critique for a quantitative research study: perspectives for doctoral students and other novice readers. *Nursing:*

Research and Reviews, 3, 67-75. doi: http://dx.doi.org/10.2147/NRR.S43374

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