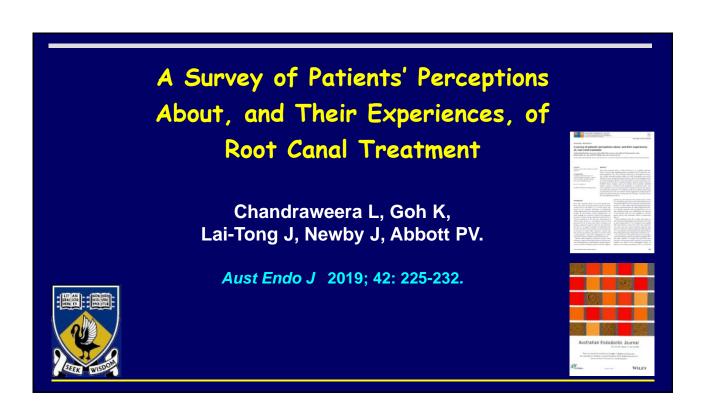
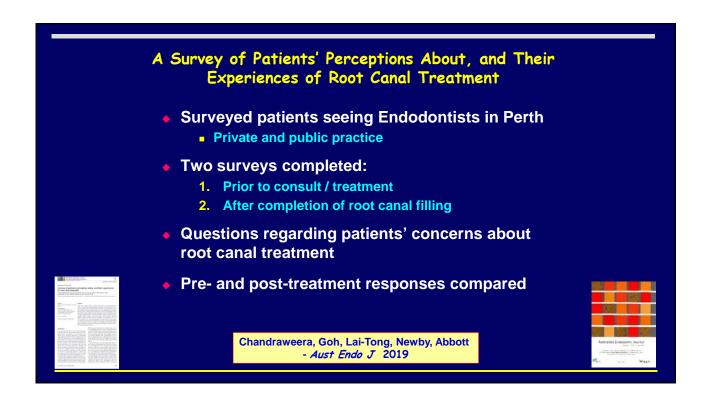
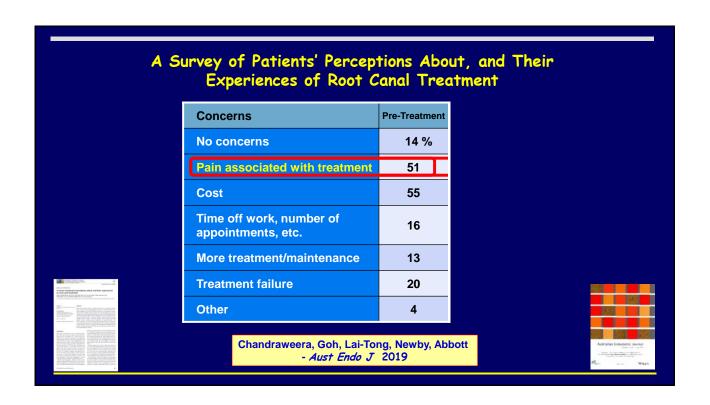




Importance of Pain Control During Treatment Most patients perceive that dental treatment is associated with pain During and after treatment Unfortunately, this is supported by research!! ∴ e.g. Rogers et al. JoE 1999 And just ask your own patients







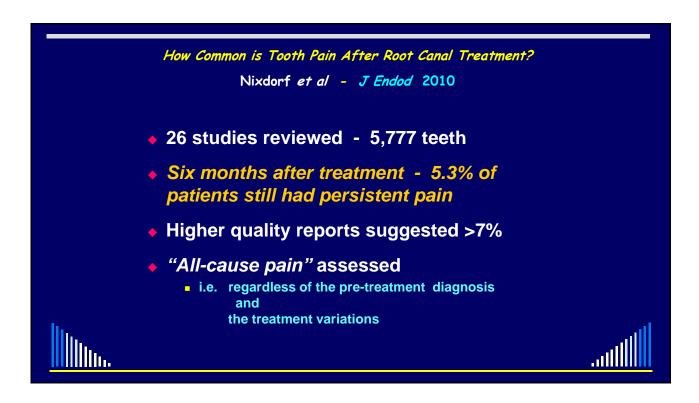
What about Post-Operative Pain?

- 40% of patients experience <u>some pain</u> after endodontics (Seltzer et al. 1961)
- 25% had <u>moderate to severe pain</u> after instrumentation appointment (Clem 1970)
- 16% had <u>moderate to severe pain</u> during or after treatment visits (O'Keefe 1976)
- 75% had "<u>at least some pain</u>" after initial treatment of asymptomatic chronic apical periodontitis (Orstavik et al 1998)

How Common is Tooth Pain After Root Canal Treatment?

Nixdorf DR, Moana-Filho EJ, Law AS, McGuire LA, Hodges JS, John MT.

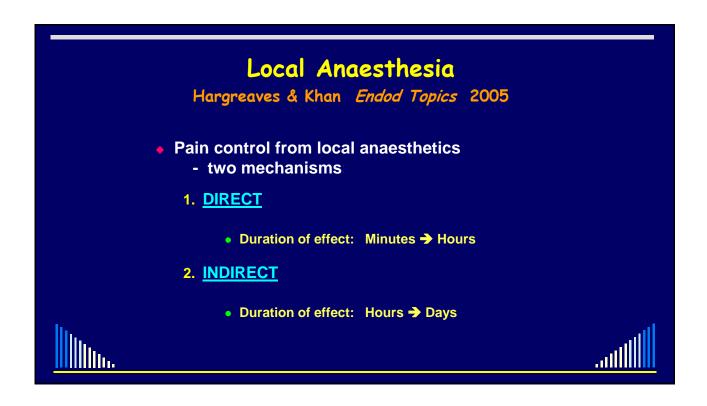
J Endod 2010; 36: 224 - 230

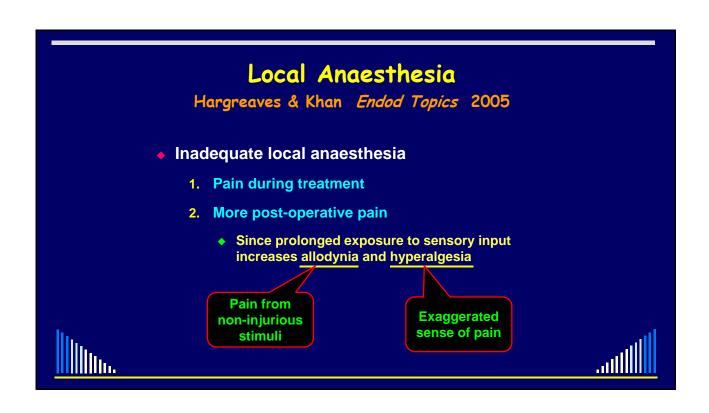




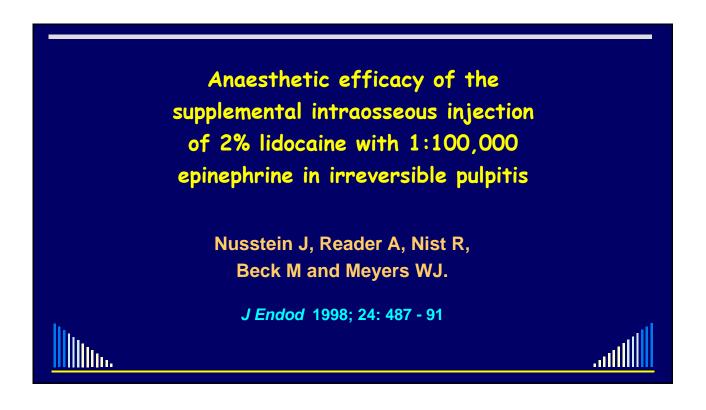


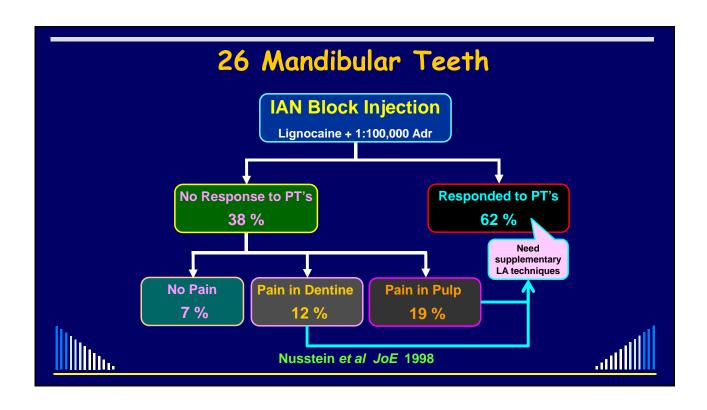


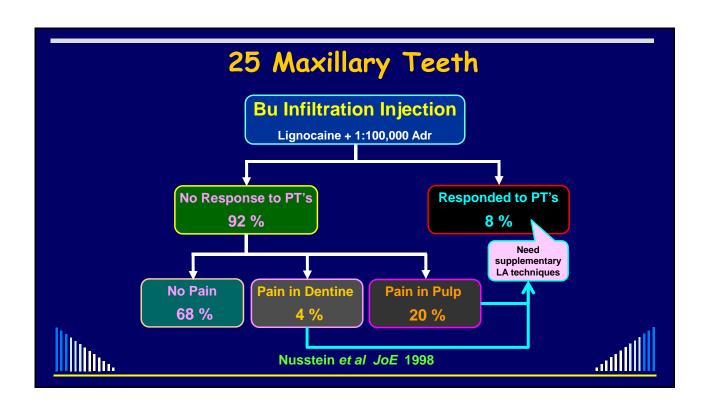




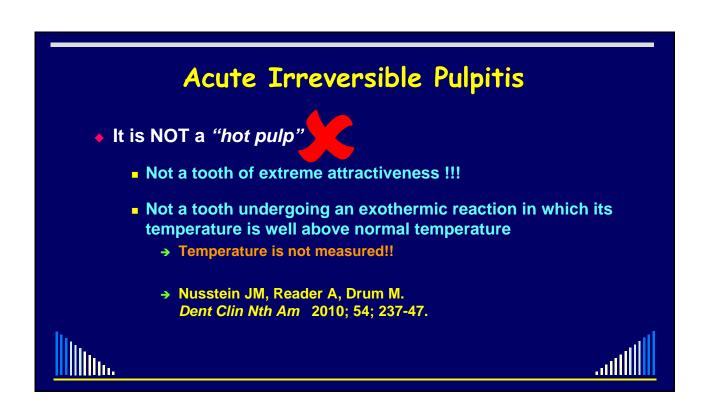




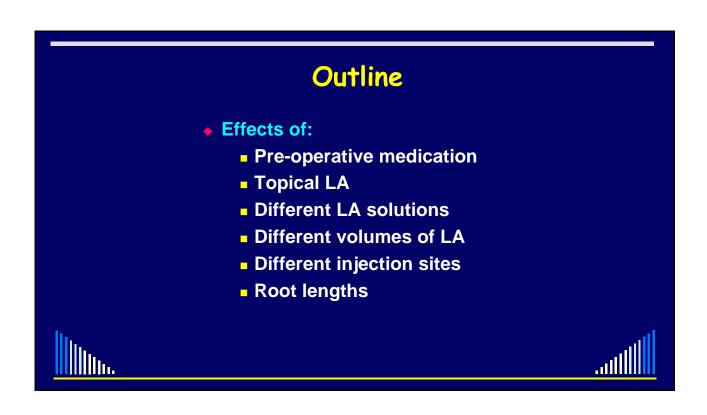


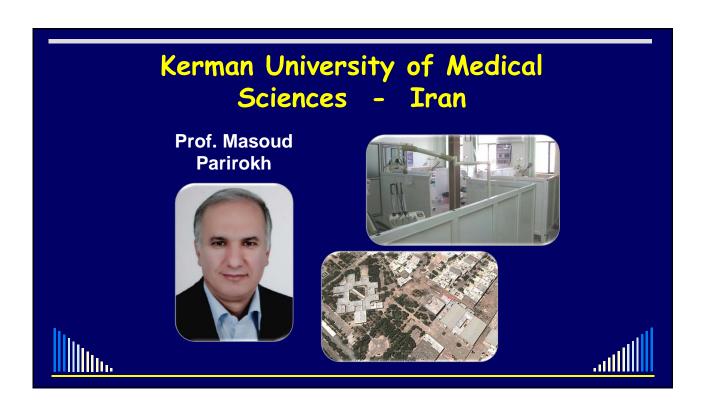


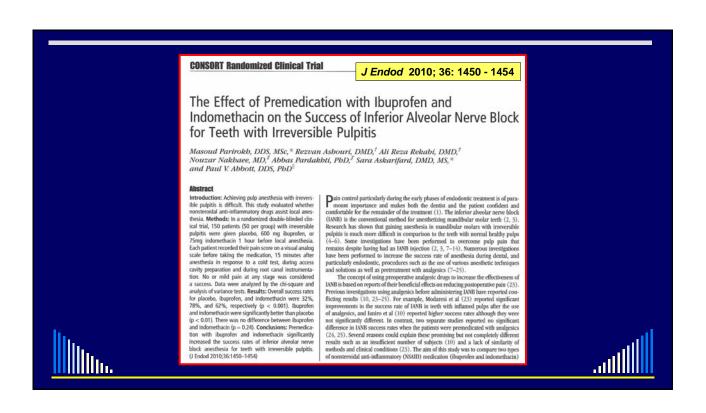


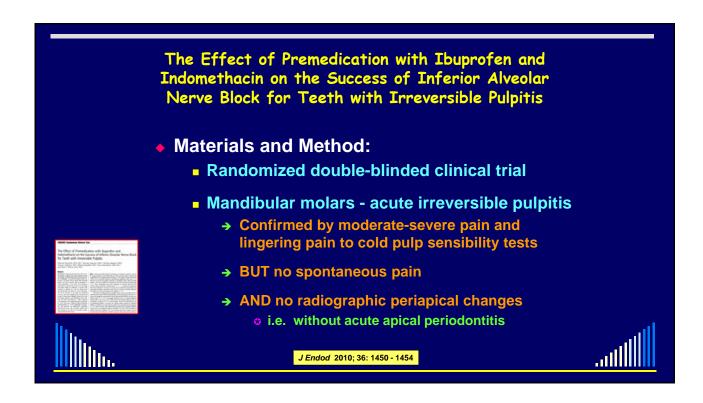


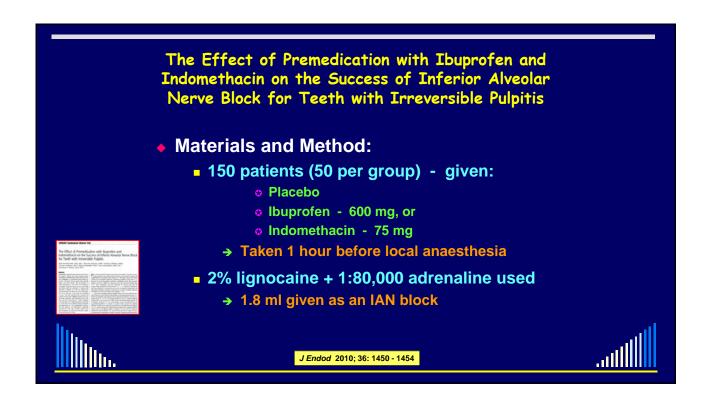


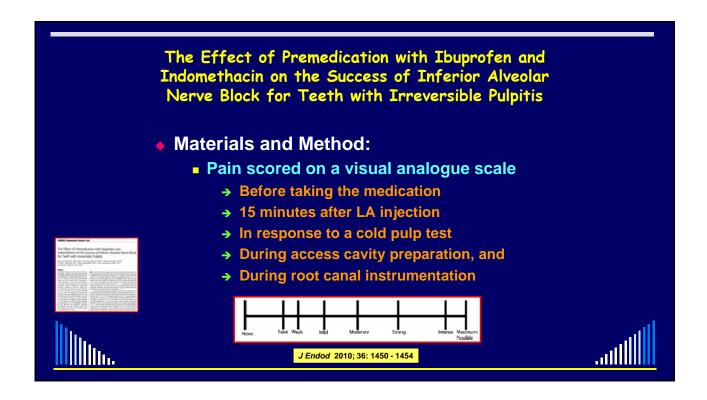




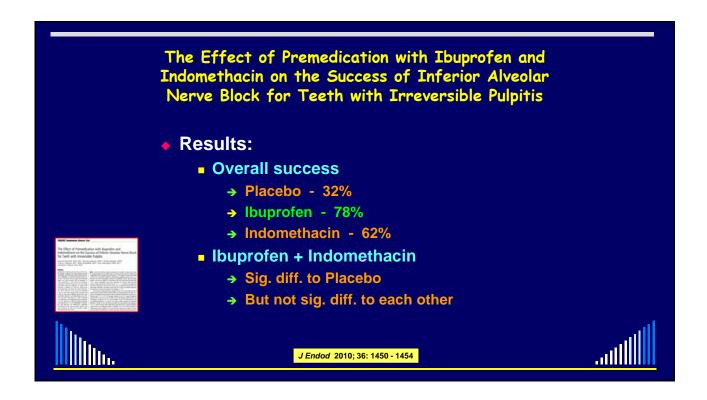


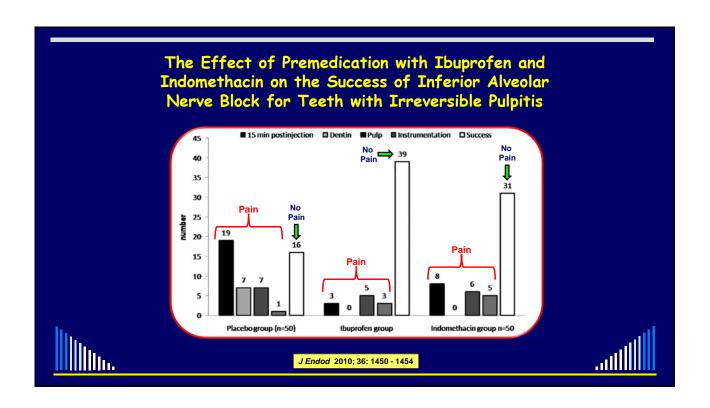




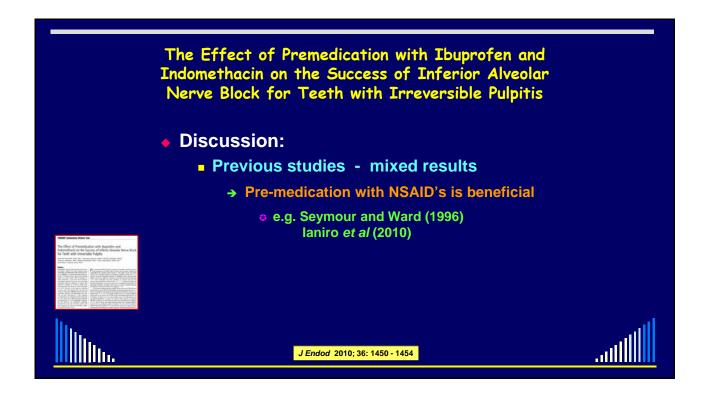


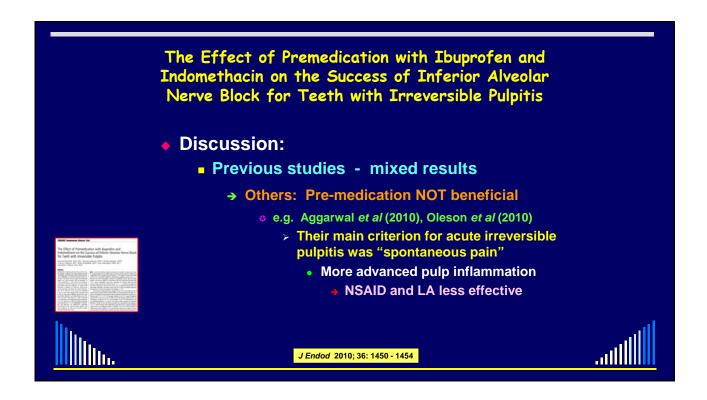


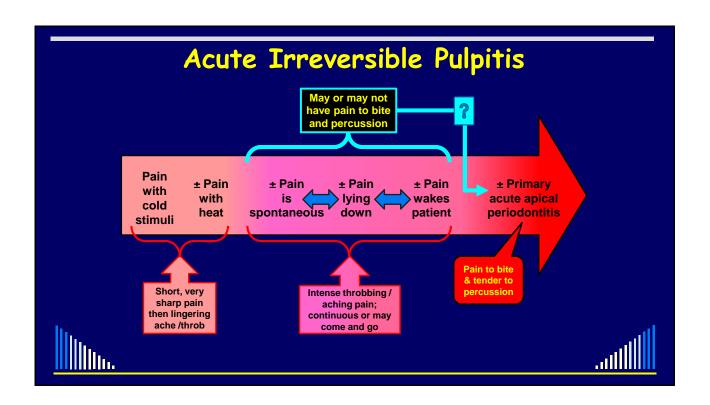


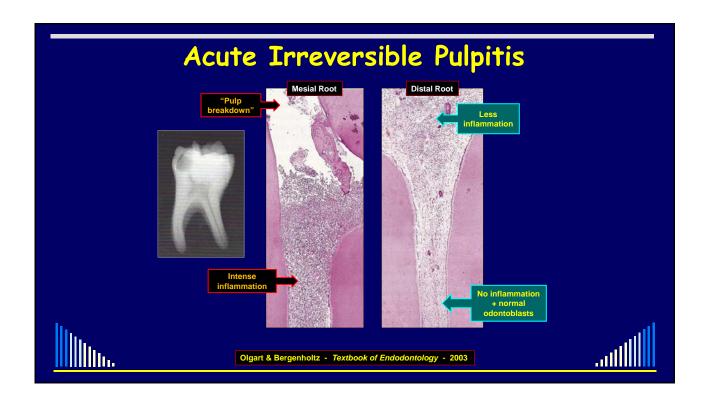




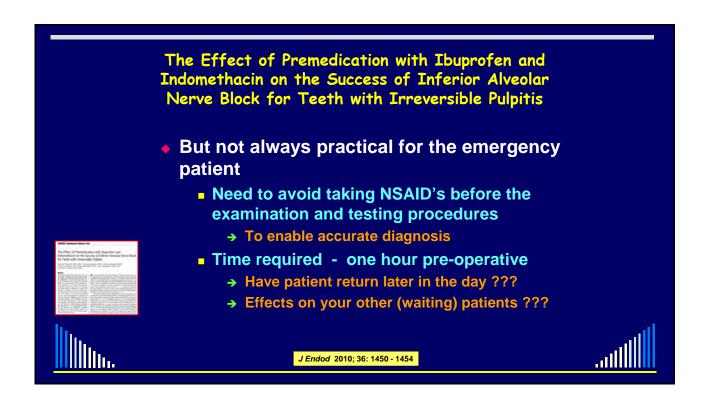


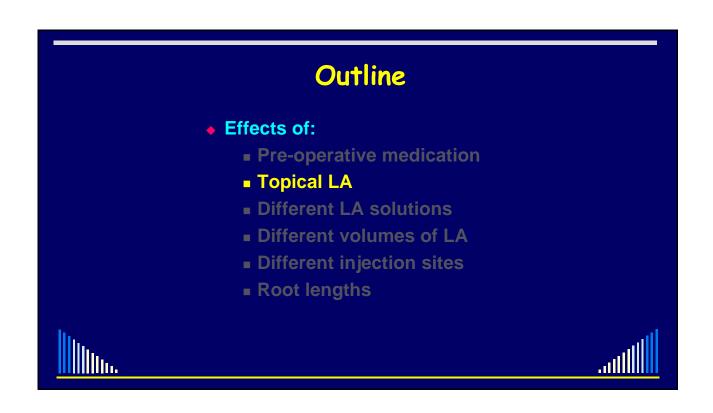


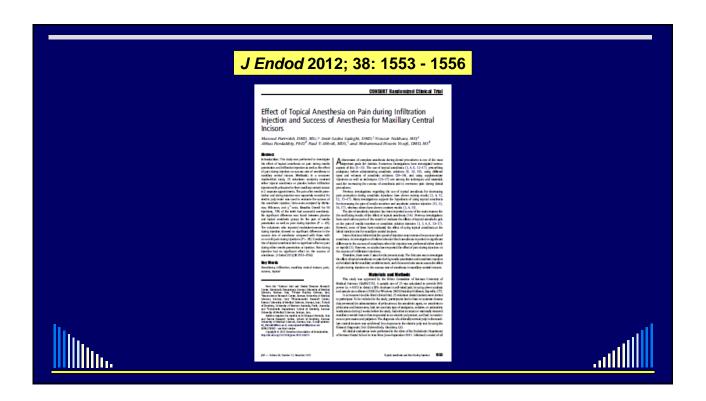


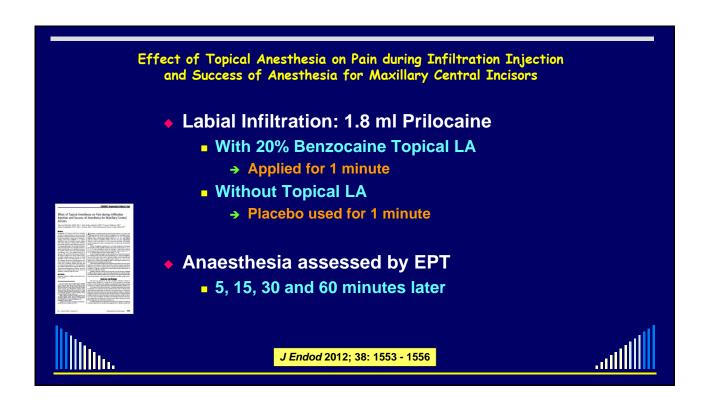


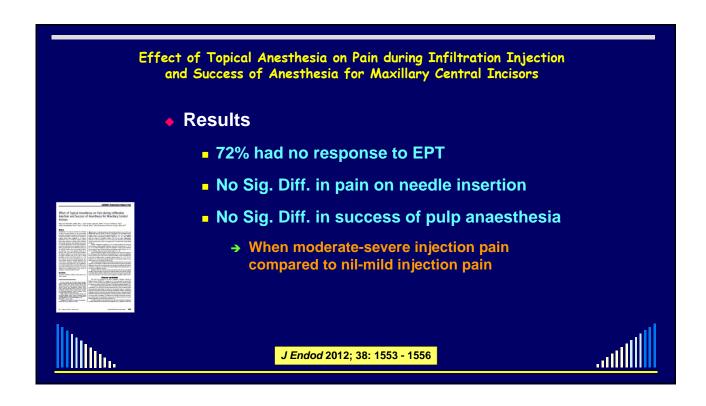


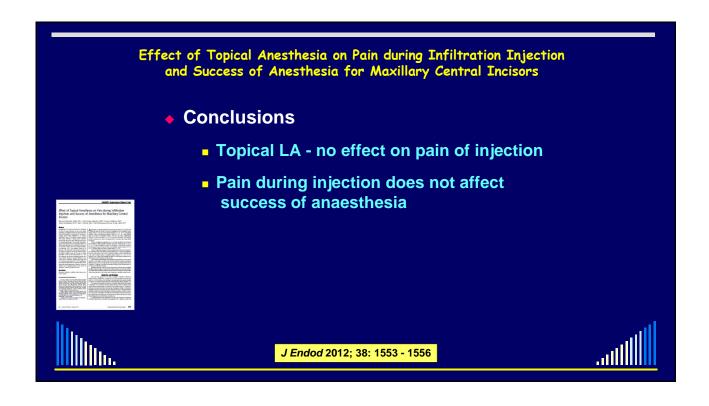


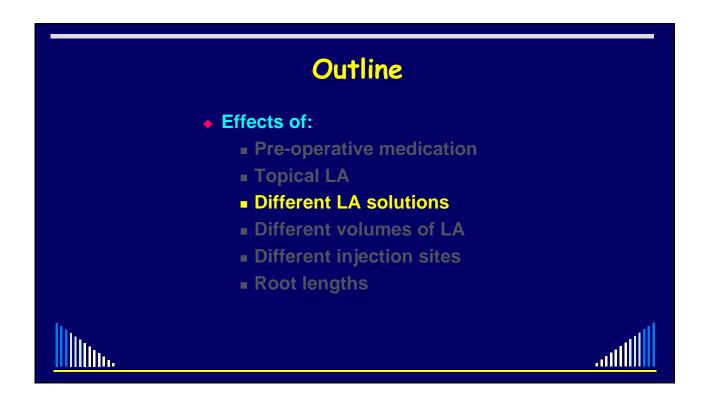


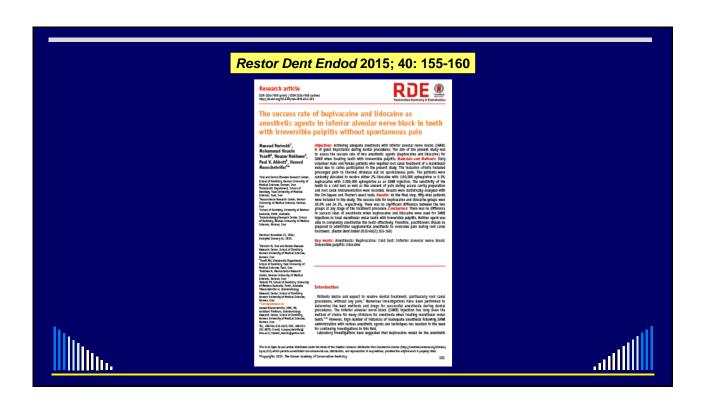












The Success Rate of Bupivacaine and Lidocaine as Anesthetic
Agents in Inferior Alveolar Nerve Block in Teeth with
Irreversible Pulpitis Without Spontaneous Pain

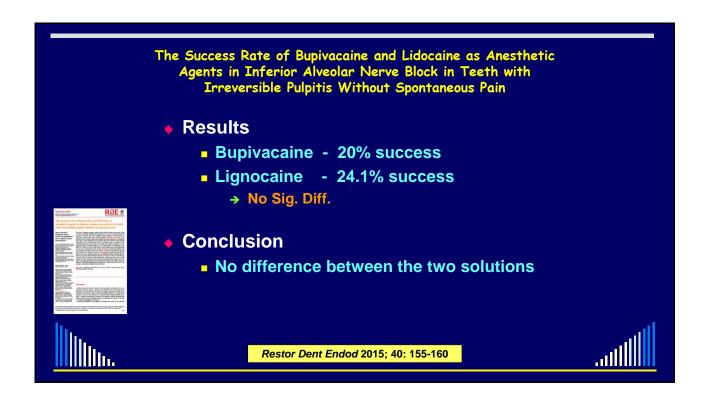
Chronic irreversible pulpitis - lower molars

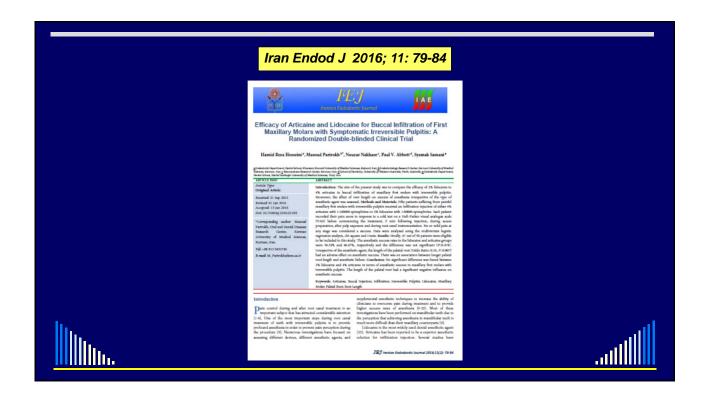
1.8 ml x 2% Lignocaine - 1:80,000 adren.

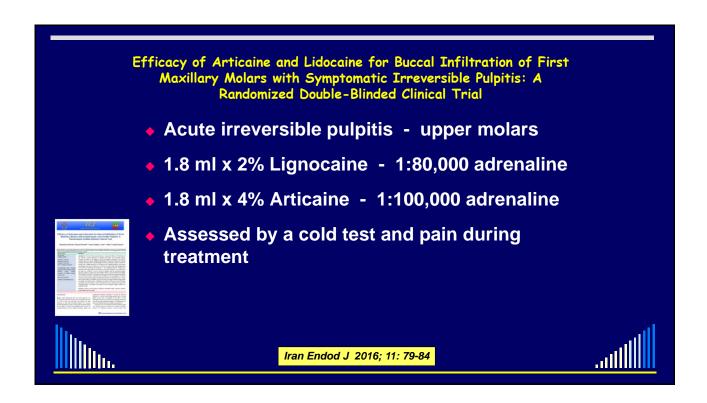
1.8 ml x 0.5% Bupivacaine - 1:200,000 adren.

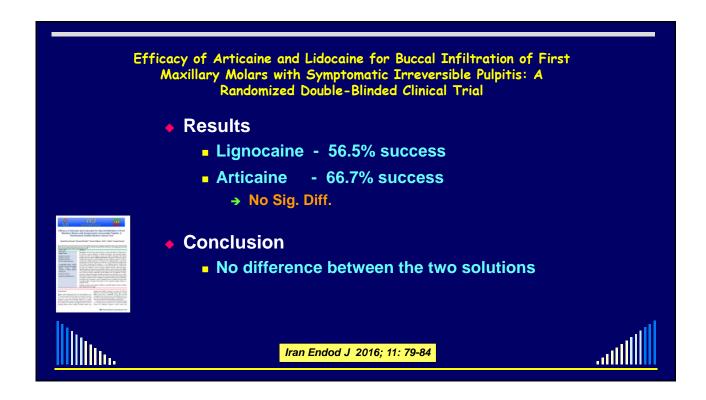
Assessed by a cold test and pain during
treatment

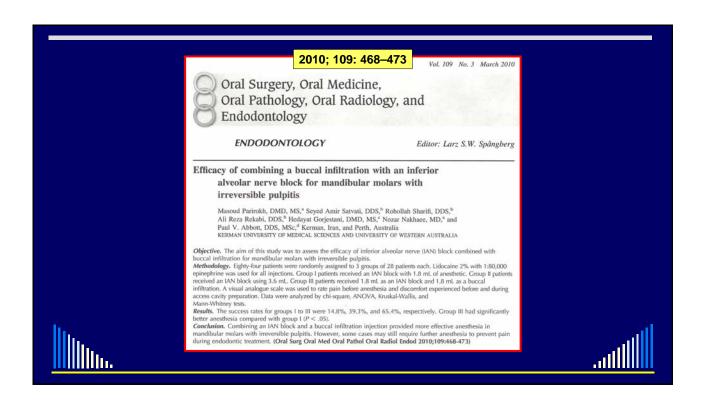
Restor Dent Endod 2015; 40: 155-160

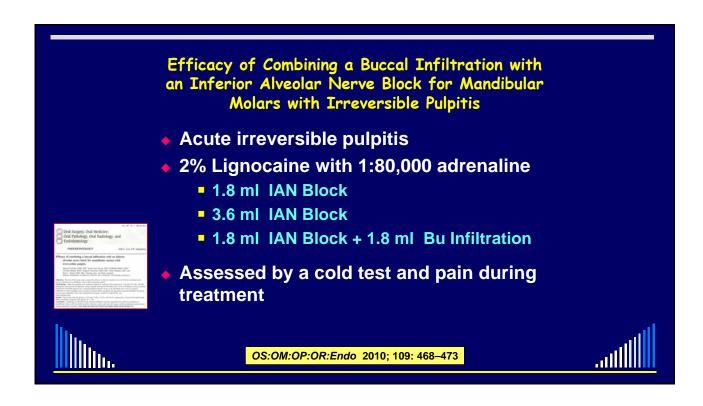


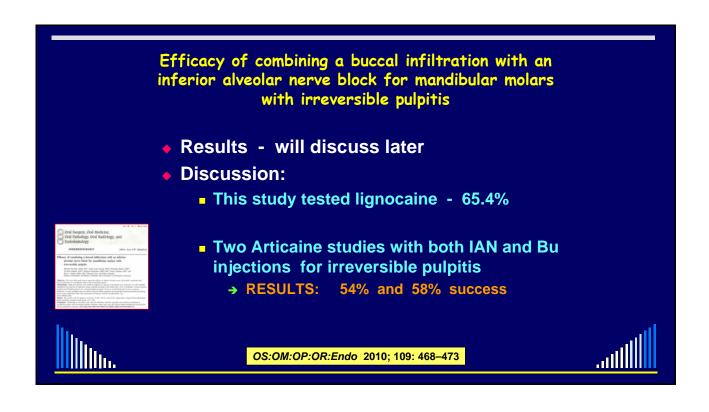


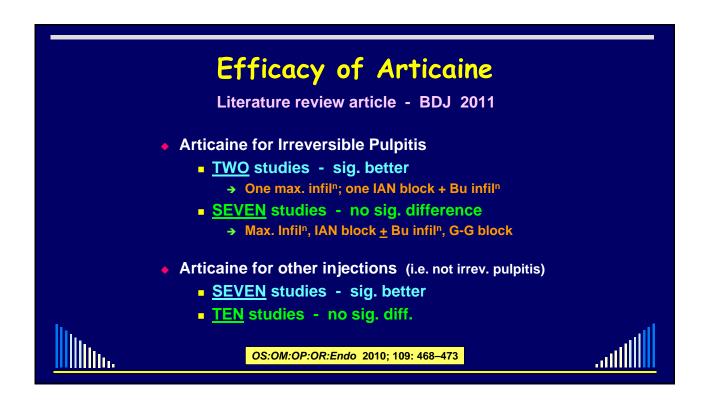


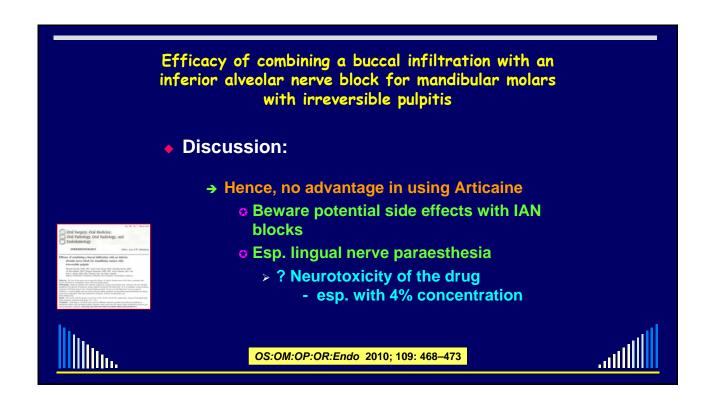




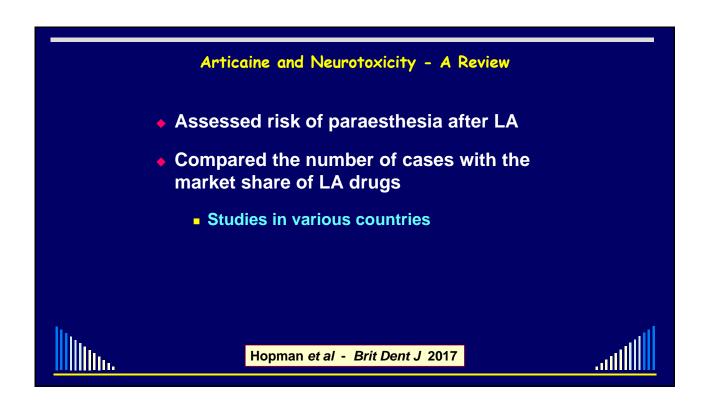


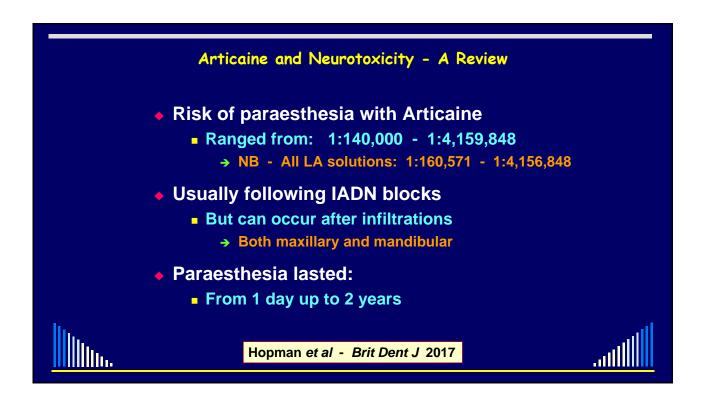


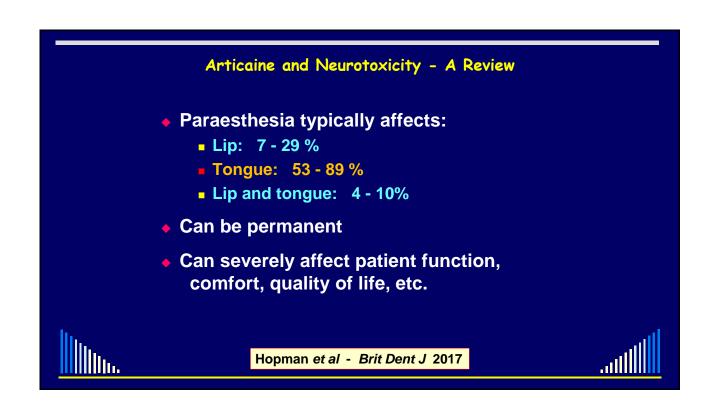












	Articai	ne and Neuro	toxicity - A	Review	
	Time Period	Country	Articaine-rel'd Paraesthesia	Market Share for Articaine	
	1993	Canada	71%	38%	
	2003	Netherlands	89%	70%	
	2002 - 2004	Denmark	87%	42%	
	2001 - 2007	Denmark	78%	41%	
	1997 - 2008	UK	51%	14%	
	1998 - 2008	UK	77%	13%	
	2006 - 2008	Canada	70%	44%	
	2006 - 2011	USA	33%	38%	
Millin.		Hopman <i>et al - I</i>	Brit Dent J 2017		.attl

