

People of New York v Ronald Meadow

Ronald Meadow charged with murdering wife in 1985 Syracuse cold case after 'risky' decision

Syracuse, NY – For nearly three decades, Syracuse authorities were "one or two things away" from charging Ronald Meadow in the stranglation murder of his estranged wife, Colleen. Earlier this year, prosecutors and police had to make a seemingly fateful decision: should they test fragile evidence from the 1985 murder for DNA evidence, knowing the material could possibly be destroyed in the process?



The test "was actually quite risky at the time," District Attorney William Fitzpatrick said. "There was some very, very low amount of biological material that (the lab) was willing to test, and there might not be enough, and (they) warmed us the material could be destroyed." Syracuse Police Detective Derek McGork and the DA decided to go ahead with the test, and the DNA provided the missing link to Ronald Meadow, Fitzpatrick said.

December 12, 2013





































22.6 million times more probable than a coincidental match to an unrelated Hispanic person





People of New York v Ronald Meadow

Ron Meadow found guilty of murdering wife in coldcase trial pitting DA Fitzpatrick and Ed Menkin



Syracuse, NY -- The estranged husband of a woman strangled to death 29 years ago was found guilty this afternoon by an Onondaga County jury.

There was an audible gasp by members of both families as the jury announced its second-degree murder verdict against Ronald Meadow, 6z, of Georgia. They deliberated for 6 1/2 hours before rendering a verdict around 1:45 p.m. in the strangulation death of Colleen Meadow in 1985.

Meadow, who had been free on bail, was handcuffed and taken to jail with no bail after the verdict.

November 6, 2014























MIX13: An int 5th Annual Pr	terlaborator Coble rescription f	y study on the present sta M, National Institute of St or Criminal Justice Forensi	te of DNA mixture interpretati andards and Technology cs, Fordham University School	on in the U.S. of Law, 2014.
MIX	13: 1	Thresholds	s falsely inc	lude
	MIX ² (wh	13 Case 5 Outcom ose genotypes were not	es with Suspect C	
	#Labs	Exclude Suspect C	Reasons given detailed genotype checks (ID+); TrueAllele negative LR (ID+); assumed major/minor and suspects did not fit (ID+); 3 labs noted Penta E missing allele 15 (PP16HS)	
	3	Inconclusive with C only (A & B included)	All these labs used PP16HS	
	21	Inconclusive for A, B, and C		
	70	Include & provide CPI statistics	All over the road	
	Ran FB	ige of CPI stats for Ca Il allele frequencies: 1 in 9	ucasian population: to 1 in 344,000	























The extent to which interpretation does not misidentify the wrong person

True exclusions, without false inclusions

101 matching genotypes x 10,000 random references x 3 ethnic populations, for over 1,000,000 nonmatching comparisons



Reproducibility

The extent to which interpretation gives the same answer to the same question

MCMC computing has sampling variation

duplicate computer runs on 101 matching genotypes measure log(LR) variation













rueAllele Virginia outcom							
City	Court	Charge	Sentence				
Richmond	Federal	Weapon	50 years				
Alexandria	Federal	Bank robbery	90 years				
Quantico	Military	Rape	3 years				
Chesapeake	State	Robbery	26 years				
Arlington	State	Molestation	22 years				
Richmond	State	Homicide	35 years				
Fairfax	State	Abduction	33 years				
Norfolk	State	Homicide	8 years				
Charlottesville	State	Homicide	15 years				
Hampton	State	Home invasion	5 years				

































TrueAllele admissibility						
State	Year	Challenge	Outcome			
Pennsylvania	2009	Frye	admitted			
Pennsylvania	2012	Appellate court	precedent			
California	2013	Kelly-Frye	admitted			
Virginia	2013	Spencer-Frye	admitted			
Ohio	2014	Daubert	admitted			
Louisiana	2014	Daubert	admitted			
New York	2014	Frye	pending			













