

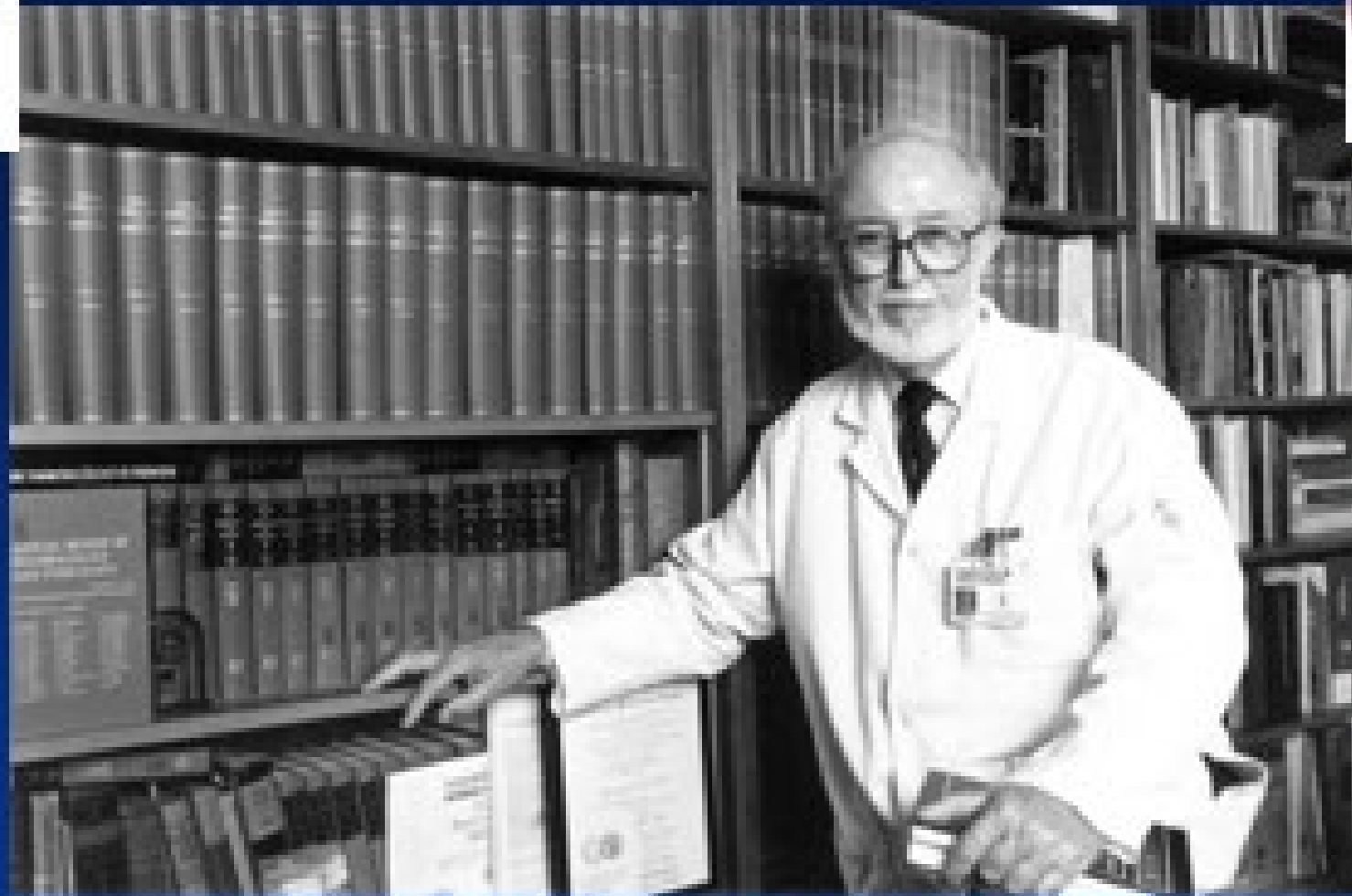
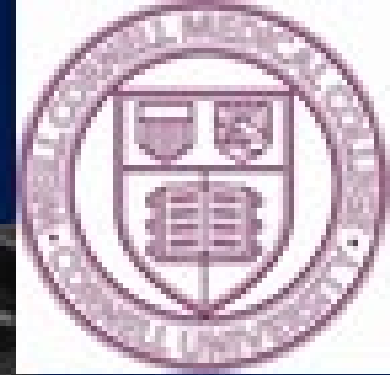
Eastern Pain Association Raymond W. Houde Lecture



**The Eastern Pain Association presents
The 10th Biennial Raymond W. Houde
Lectureship Award to**

Christine Miaskowski, RN, PhD, FAAN

**New York City
December 14, 2024**



Raymond W. Houde, M.D. 1916-2006

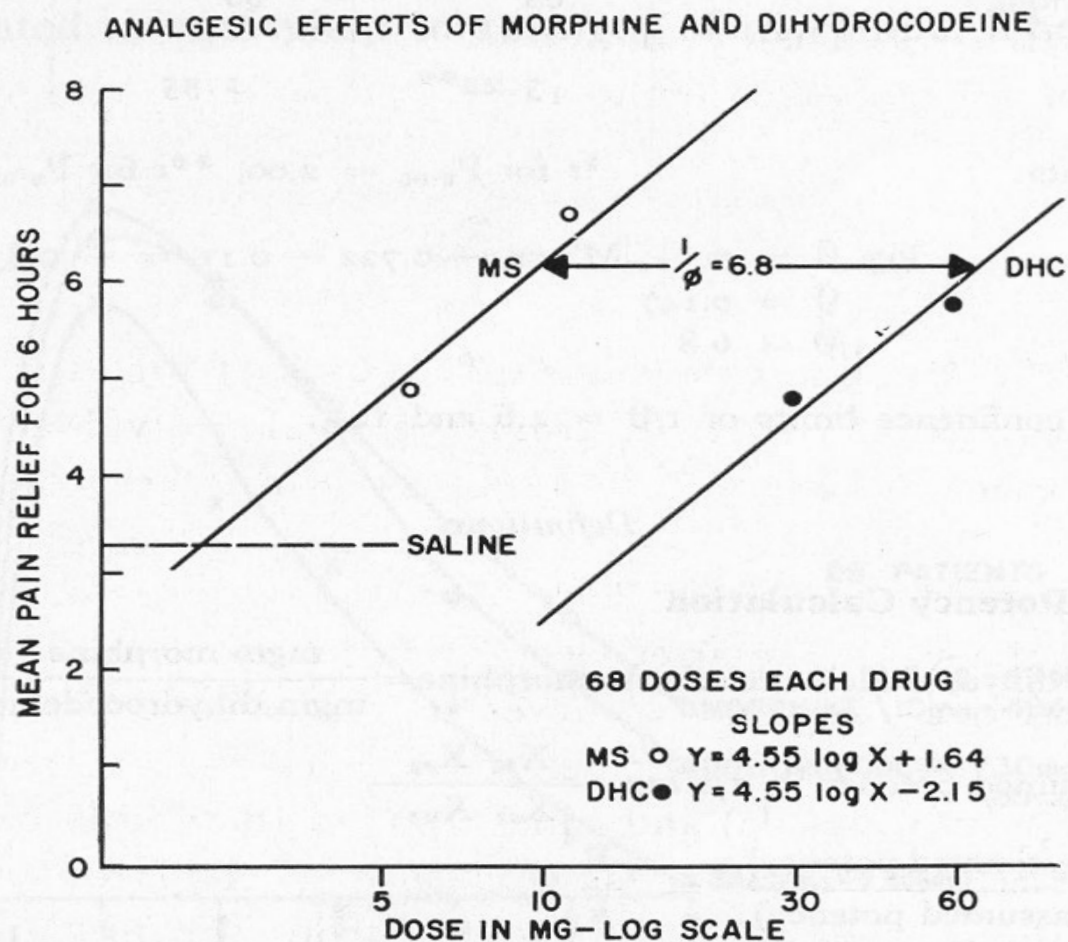


**Thank you , O Almighty God, for having endowed our nervous system with plasticity
And I thank Thee, Lord for having given to me ancestors, who provided redundancy in my system
For it is with these gifts, that I have been able to reclaim my spot, on a coattail of the Gaussian cloak of normalcy
Your Humble servant, Raymond**



Stan Ada Ray

Ray's study design allowed a determination of analgesic potency and the relative potency and equianalgesic dose ratio of two analgesics compared in the same patients



$1/\Phi$ is the relative potency estimate of the dose of DHC over the dose of morphine required to produce equivalent pain relief. Morphine is 6.8 times more potent than DHC.

Seed, Wallenstein, Houde and Bellville, 1958

This suggested that a table of relative potency values could be constructed that compared potency estimates to morphine

RELATIVE POTENCIES OF ANALGESICS COMMONLY EMPLOYED FOR SEVERE PAIN, EXPRESSED IN TERMS OF THE INTRAMUSCULAR (IM) AND ORAL (PO) DOSES APPROXIMATELY EQUIVALENT IN TOTAL EFFECT TO A 10 mg IM DOSE OF MORPHINE

	IM (mg)	PO (mg)	Major Differences from Morphine
OXYMORPHONE (Numorphan)	1	6	None
HYDROMORPHONE (Dilaudid)	1.5	7.5	Shorter acting.
LEVORPHANOL (Levodromoran)	2	4	Relatively high PO to IM potency.
PHENAZOCINE (Prinadol)	3	15	None
METOPON	3	18	None
HEROIN	4		Shorter acting.
DEXTROMORAMIDE (Palfium)	7.5	10	High PO to IM potency.
PIMINODINE (Alvodine)	7.5		None
METHADONE (Dolophine)	10	20	Relatively high PO to IM potency.
MORPHINE	10	60	
OXYCODONE	15	30	Shorter acting. Relatively high PO to IM potency.
DIPIPANONE (Pipadone)	20		None
METHOTRIMEPRAZINE (Levoprome, Nozinan)	20		Phenothiazine - unlike morphine
ANILERIDINE (Leritine)	30	50	Relatively high PO to IM potency.
ALPHAPRODINE (Nisentil)	45		Very short acting.
PENTAZOCINE (Talwin)	60	180	Narcotic antagonist analgesic
MEPERIDINE (Pethidine, Demerol)	75	300	None
CODEINE	130	200	Relatively high PO to IM potency. Relatively more toxic in higher doses.
DEXTROPROXYPHENE (Darvon)	240		Similar to codeine but more toxic in high doses.



Ray and some of his friends, May 2003

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Est. 2006; Biennial

Committee Members:

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- **Robert Dworkin, PhD**
- **John Farrar MD, PhD**
- **Charles Inturrisi, PhD**
- **William K. Schmidt, PhD**