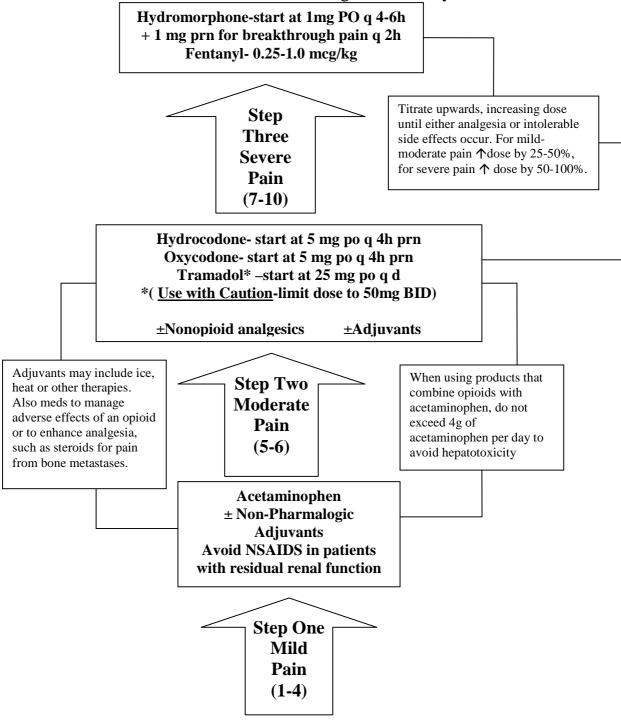
## **Supplemental Figure 1 - Nociceptive Pain Algorithm**

**<u>Do Not Use</u>: Morphine, Codeine, Meperidine, Proposyphene-**renally excreted metabolites accumulate in CKD causing neurotoxicity.

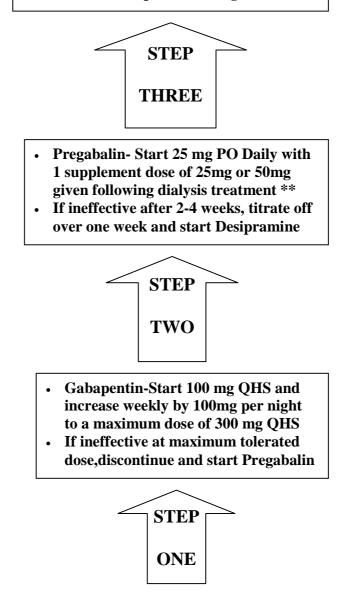


#### Nociceptive Pain- aching, dull, throbbing, cramping, pressure

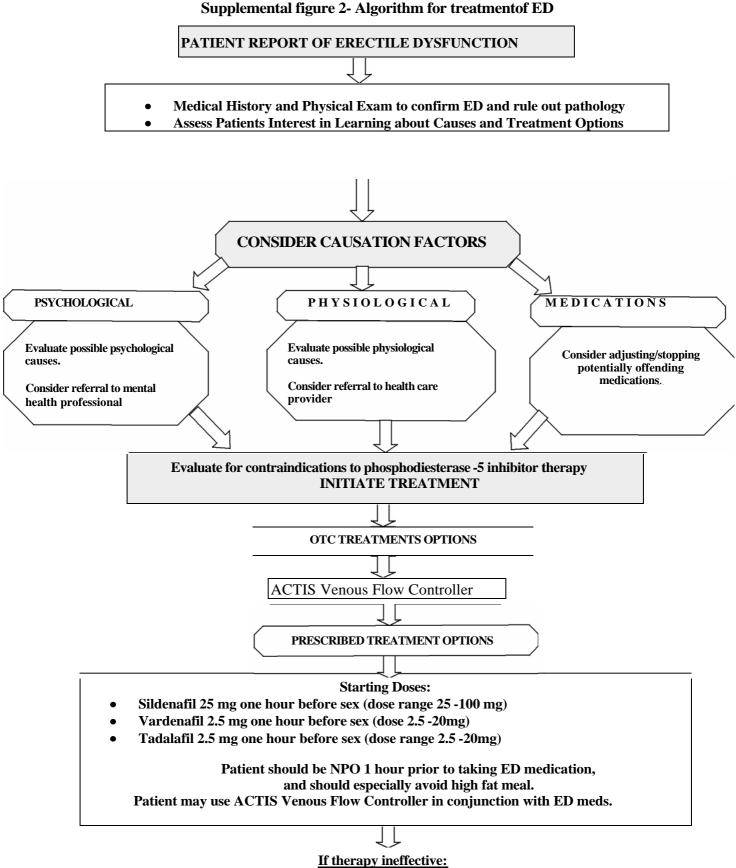
- Once analgesic requirements are stable for a few days, consider converting to long acting medication. Continue to provide short acting opioid for breakthrough pain (approx 1/10<sup>th</sup> the 24 hr dose q2hr prn).
- Remember to increase the breakthrough dose when increasing the long acting dose

### **Neuropathic Pain Algorithm**

- Desipramine-10 mg PO QHS
  Titrate to adequate pain control or
  maximum dose of 150mg Po QHS
- If pain control remains inadequate, institute Nociceptive Pain Algorithm



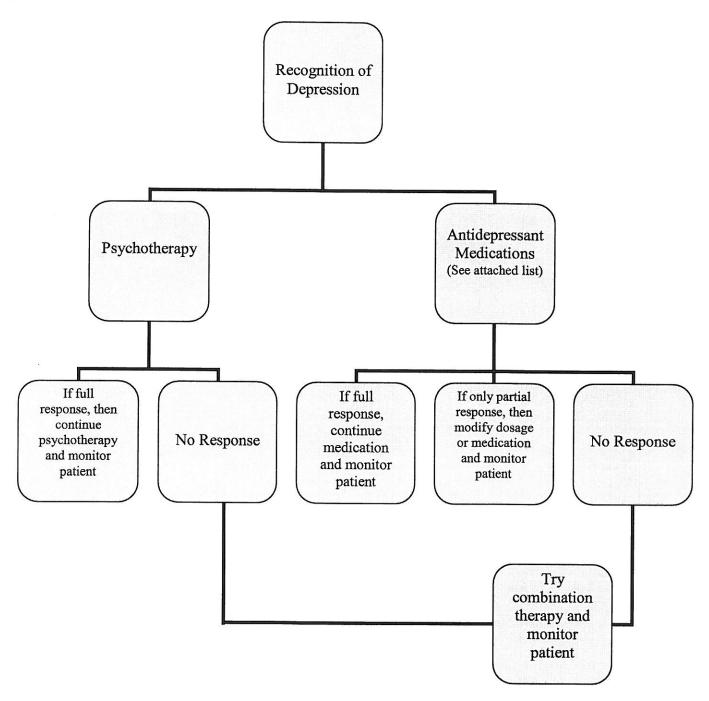
Neuropathic Pain- tingling, numbness, burning, stabbing \*\* To titrate dose for pain control, refer to <u>http://online.factsandcomparisons.com</u>



- Consider endocrine workup
- Consider vacuum device
- Consider referral to urology

#### **Supplemental Figure 3**

# **Algorithm for Depression**



Note: Reduce dose of SSRIs, 5-H21 Receptor Antagonists, and weak serotonin reuptake inhibitors, dopamine, DNRI and TCA for those with renal failure

Adapted from VA/DoD Clinical Practice Guideline For Management of Major Depressive Disorder

GENERIC	BRAND NAME	ADULT STARTING DOSE	MAX	EXCEPTION	SAFETY MARGIN	TOLERABILITY	EFFICACY	SIMPLICITY
Citalopram	Celexa	20 mg	60 mg	Reduce dose	toxicity even after substantial overdoat, Drug interactions may	N	Résponse rate -	AM daily dosing. Can be started at an effective
Phioxetine	Prozac	20 mg	80 mg	for the elderty &		Nauses, incorrente, sodacion,		
Paroxetine	Paxil	20 mg	50 mg	those with renal		headache, fatigue dizziness, texus dysfunction		
Sertraline	Zoloft	50 mg	200 mg	or heputic failure				
on other medic	lass differ substantially ations, Can work in T	ne Antidepressant Medication y in safety, tolerability and simpl CA nonresponders. Useful in sev here medications. Fluoretine has	eral anxiety d	isorders.	include tricyclic sotidopressans, carbanazepine & warfacin.	anorexis, weight losa, sweating, Gi distress, trentor, restloyment, agitation, starioty.	2 - 4 with	dese hamediately.

•

GENERIC	BRAND NAME	ADULT STARTING DOSE	X PHERION	SAFETY MARGIN	TOLERABILITY	EFFICACY	SIMPLICITY
Venlafaxine IR	Effision IR	75 mg	Call a	No finantia ayatemit	Comparable to SSRIs at low done,		BID or TID dosing with IR.
Venlafixing XR	Billexor XR	75 mg	States of	An and a second	Nause, dry mouth, inedució, somolecce,	Rosponec rate =	Daily dosing with XR.
doses and adds th	te effect of an Norep	ets like a Service of Service Respirate in nephrina of Service states inhibitor of h ve to Thurst SSRD Taper does going to	off doden ! A	Syndromy	diratinen, attriety. An abaranal galetion, hand- 2 Sig-antenia.	(4 - 7 days at 300 mg/day)	Can be started a an affective dos (75 mg) immediately.

SCRUTURI	N (S-RIZA) RECE	P POPER	AGO	Marand			REUPTAR INI			
GENERIC	BRAND NAME	DO	TARTI	NO DOSE	MAX	EXCEPTION	SAFETY MARGIN	R. GAALLITY	EFFICACY	SIMPLICITY
Nefazodome	Serzone			1	-600 ing	Redice doer	surrest with agents			
Trazodose	Desyrel			ř,	509 mg	There .	ArouseVimpult () cognitive performance and interact with		Response unto = 2 - 4 whx	BID dosing. Requires dose struction.

DOPAMINE (	and NOREPINE	PHRINEREL	AKE IN	FRITORS	(DNRIs)	A W /			
GENERIC	BRAND NAME					SAPETY MAL AN	TO FRABILITY	EFFICACY	SIMPLICITY
Bupropion - IR	Wellbutrin - IR	200 mg	200	450 mg			. ·		1
Bupropion - SR	Wellbutrin - SR	150 mg	19	100	Artes with result	Setzen ber ante	Rarely causes	Response rate =	BID / TID dosing Requires dosc

		ANTS (TCAs) - Mainly Ser	otonin R	captake Inhib				
GENERIC	BRAND NAME	ADULT STARTING DOSE	MAX	EXCEPTION	SAFETY MARGIN	TOLERABILITY	EFFICACY	SIMPLICITY
Amicripcyline *	Elavil, Endep *	50 - 100 mg	300 mg	Raduce dage	Serious toxicity can result from CD.	Sedation, increased anticholinergic effects, orthostatic	Response rate =	Can be given
Imipramine *	Tofranil *	75 mg	300 mg	Arr place with				
Doxepin *						hypotomion, cardiac	2-4 wid	QD. Motitor
Highest response		mended for use in the elderly. I in chronic pain, migraine headach	ursia.	clearance. Can onuse multiple doug/drug interactions.	conduction disturbunges, arrhythesis & wt prin, dizzimes,	Thérapautic Levels: Imigramine 200-350 mphil	egrain lovel after one week of treatment.	

GENERIC	BRAND NAME	ANTS (TCAs) - Mainly Ne ADULT STARTING DOSE				TOLERABILITY	EFFICACY	SIMPLICITY
Designation *	Norprumin *	75 - 200 mg	300 mg		Serious toxicity can	Generally Good	Response nato = 2 - 4 with Therapentic Loyela: Designamina (25-300 ng/mL Nortibatyline	QD. Can atter effective dose unumediately. Monitor serum
Nortriptyline	Aventy/Pamelor	50 mg	150 mg	but with read se beganis babwe babowe babo babowe babo babowe babowe babo babo babowe bab	Reserve Maprotiline at			
					a second-line agent due to risk of seizures			
Consider Design	amine or Nortripty	ine Best in the elderly if TCAr a	re necessary	•	st therapeutic &			level after one week of
4 Secondary Amine 1	interclie And depressions (3	SATCAI)			nontherapeuric dosos.	1	\$0-150 me/ml	treetment.

Adapted from VA DoD Clinical Practice Guideline For Management of Major Depressive Disorder