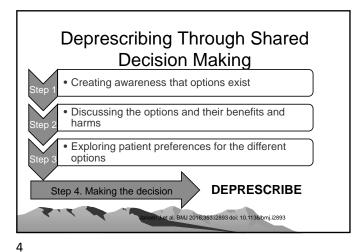




- Apply shared decision-making principles and strategies when deprescribing
- Incorporate deprescribing pathways into clinical treatment plans
- Utilize online tools to effectively deprescribe









### **Treatment Decisions in Older Adults**

- Consider goals of care
  - ✓ How frail is the patient?
  - ✓ Is the patient more interested in palliative care or prevention meds/tx?
  - ✓ What are the patient's QOL goals?

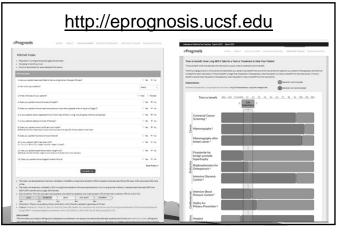
LC. JAMA 20

Consider time to benefit: the time between when an intervention is initiated & when improved health outcomes occur

Br J Gen Pract 2017;

- To identify which patients are more likely to be helped vs harmed
  - ✓ Compare time to benefit vs life expectancy

Lee SJ, Leipzid RM, Walter





### Making Smart Decisions: Time to Benefit vs Time to Harm

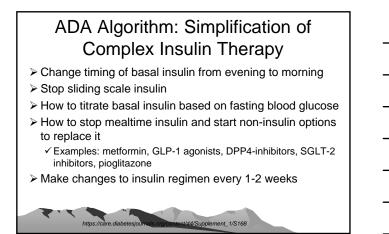
- > Statins (3 years) vs prostate cancer screening (10 years)
- > Immunizations: side effects immediate, benefit at 2 wks
- > Pain treatment: side effects immediate, benefit immediately
- > HTN treatment: hypotension immediate, benefit 6-12 mo later
- > Bisphosphonates: side effects immediate, benefit 12 mo later
- Hypoglycemic agents: hypoglycemia immediate, benefit months to years later
- Aspirin: side effects immediate, reduction in CV events may take several years if it is being used for primary prevention

3:310(24):2609-10.; JAMA Intern Med. 2021;181(2):179-185

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Lee SJ, LeipziG RM, Walter LC. JAMA

Table 13.1—Framework for considering treatment goals for glycemia, blood pressure, and dyslipidemia in older adults wi diabetes						
Patient characteristics/ health status	Rationale	Reasonable A1C goal‡	Fasting or preprancial glucose	Bedtime glucose	Blood	Lipids
Healthy (few coexisting chronic illnesses, intact cognitive and functional status)	Longer remaining life expectancy	<7.0-7.5% (53-58 mmol/mol)	80–130 mg/dL (4.4–7.2 mmol/L)	80–180 mg/dL (4.4–10.0 mmol/L)	<130/80 mmHg	Statin, unless contraindicated or not tolerate
Complex/intermediate (multiple coexisting chronic illnesses* or two or more instrumental ADL impairments or mild-to-moderate cognitive impairment)	Intermediate remaining life expectancy, high treatment burden, hypoglycemia vulnerability, fall risk	<8.0% (64 mmol/mol)	90–150 mg/dL (5.0–8.3 mmol/L)	100–180 mg/dl. (5.6–10.0 mmol/l)	<130/80 mmHg	Statin, unless contraindicates or not tolerate
Very complex/poor health {LTC or end-stage chronic illnesses* or moderate- to-severe cognitive impairment or two or more ADL impairments}	Limited remaining life expectancy makes benefit uncertain	Avoid reliance on AIC; glucose control decisions should be based on avoiding hypoglycemia and symptomatic hyperglycemia	100–180 mg/dL (5.6–10.0 mmal/L)	110–200 mg/dl. (6.1–11.1 mmol/L)	<140/90 mmHg	Consider likelihoo of benefit with statin



## Drugs to Consider Deprescribing

Medication Overload

- Never necessary medications
- Indicated but not beneficial medications
- No longer necessary medications
- Unnecessary OTC meds and supplements
- Drugs causing side effects
- Drugs that the patient is interested in stopping
- Trade drugs for non-pharmacologic approaches

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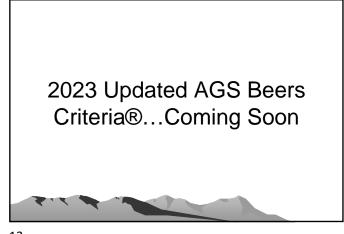
# "Never Necessary Prescribing"

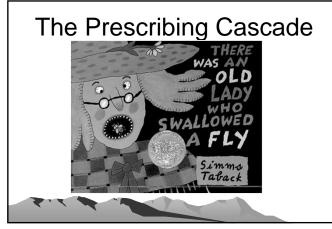
Drugs with a <u>high risk</u> and <u>low benefit</u> or with safer alternatives

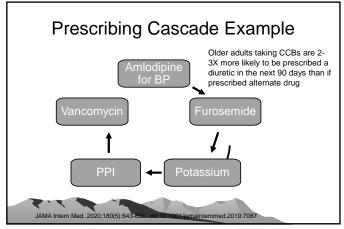
✓ Example: Drugs on the AGS Updated Beers Criteria®

- Drugs that are intended to be <u>short-term</u> but are continued long-term
  - ✓ Examples: PPIs for ulcer ppx or treatment; Albuterol inhaler for an acute respiratory infection
- > Drugs initiated as part of the prescribing cascade

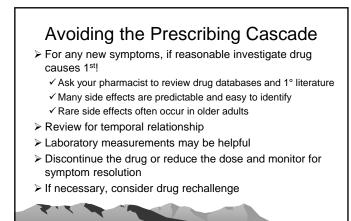


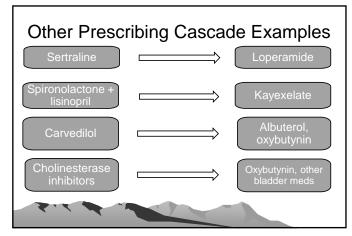


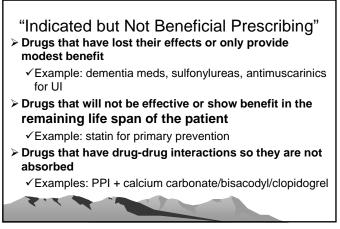


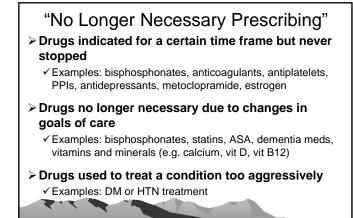


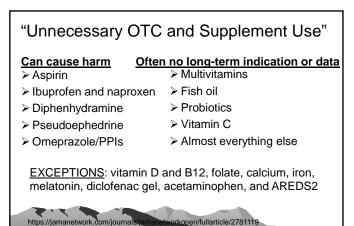












orkopen/fullarticle/2781119

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# Trade Drugs for Non-Pharmacologic Approaches

- > Counseling/cognitive behavioral therapy/virtual reality
- Facility activities/social events
- > Music therapy
- > Physical therapy
- ➤ Exercise
- ≻ Heat/ice

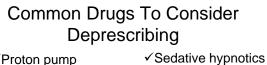
# **Deprescribing Tips and Tools**

Starting medications is like the bliss of marriage and stopping them is like the agony of divorce...



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#### General Tips to Overcome Barriers to Deprescribing > Add in prescription drug checkups to visits ✓ Perform after hospitalizations as well > View discontinuation of drugs as part of the normal prescribing process and use shared decision making ✓ Discuss options with patient/family and rationale for deprescribing, consider discussion of side effects and changes associated with aging • Continuation may cause harm • Discontinuation may cause harm ✓ Educate patient/family and monitor for harm



- ✓Proton pump inhibitors
- ✓Benzodiazepines
- ✓NSAIDs
- ✓Anticholinergics
- ✓Insulin
- ✓Sulfonylureas
- ✓Antipsychotics
- ✓ Statins
- ✓ASA
- Cholinesterase inhibitors
- ✓Memantine
- ✓OTCs/supplements

### To Taper or Not to Taper?

#### Best to Taper

- Beta-blockers
- Clonidine
- Benzodiazepines
- > Antidepressants
- Antipsychotics
- ➢ Opioids
- ➢ Pregabalin/gabapentin
- Proton pump inhibitors
- Estrogen

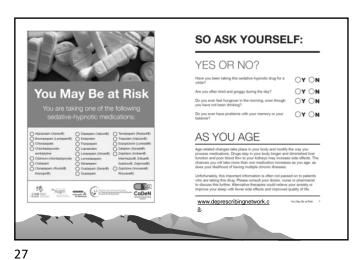
## Generally No Taper Needed

- > ACE-Is, ARBs, diuretics
- ➤ Statins
- > Anticholinergics
- ➢ NSAIDs and aspirin
- Insulin, sulfonylureas,
- metformin
- Cholinesterase inhibitors
- OTCs and supplements

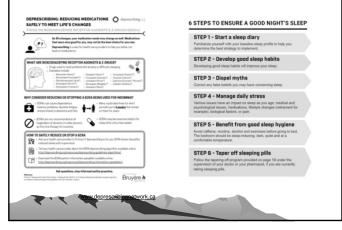
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### www.deprescribing.org www.deprescribingnetwork.ca

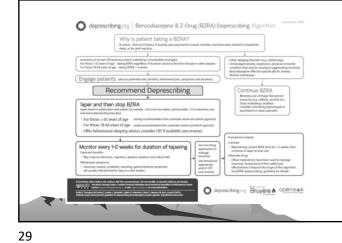
- > Deprescribing educational tools for patients and caregivers
- > Deprescribing algorithms and videos for clinicians
- > Deprescribing patient decision aids
- > Non-drug advice
- PPIs, benzodiazepines, Z-drugs, antihyperglycemic agents, antipsychotics, cholinesterase inhibitors/memantine
- Studies: JAMA Intern Med. 2014;174(6):890-898. J Am Geriatr Soc 2018;66:1186–1189













US Deprescribing Research Network (USDeN)

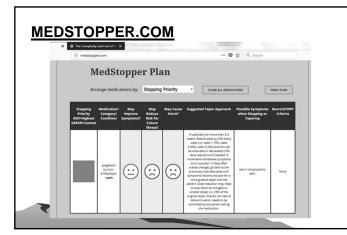
- > https://deprescribingresearch.org/
- > Links to Canadian, Australian, and UK deprescribing tools
- Links to articles discussing deprescribing and potentially inappropriate medications
- > Webinars for researchers and clinicians

### MedStopper.Com

- Provides guidance for deprescribing with risk/benefit for each drug
- Medications can be arranged by either stopping priority or by condition
- For some medications/indications, just below the faces, there are CALC and NNT links for more information.
- Includes suggested tapering approach if applicable
- If the medication is listed in either the Beers or STOPP criteria, click the details button and the specific criteria form these tools will be provided in a popup

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7 . 2

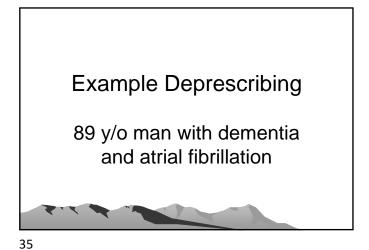


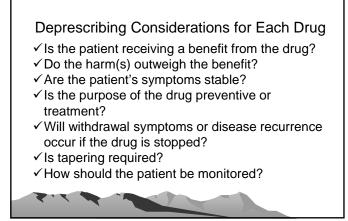


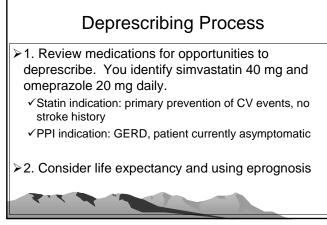


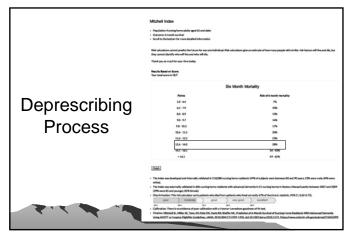
- Medication Therapy Management and Drug Review Tool (for a fee)
  - ✓ Dashboard with EHR integration with PointClickCare
  - ✓Tracking and exporting of reports related to patient progress, recommendations, and monitoring plan
- Deprescribing resources: guidelines, algorithms, guides for many drugs (free)
- Taper guidance, withdrawal symptoms and monitoring guidance for many drugs (free)

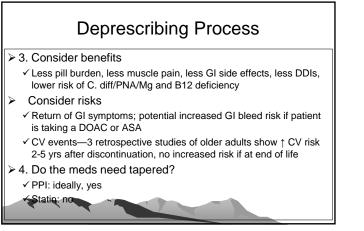












## **Deprescribing Process**

- > 5. Discontinue simvastatin
- 6. Consider omeprazole taper <u>https://tapermd.com/tapering-resources/proton-pump-inhibitors/</u>
  - ✓ Reduce dose by 50% every 1-2 weeks. Once at 25% of the original
  - dose and no withdrawal symptoms have been seen, stop the drug ✓ If any withdrawal symptoms occur, go back to approximately 75% of the previously tolerated dose
- 7. Construct and document a follow-up plan
  - ✓ Monitor for CV events?: no
  - $\checkmark$  Monitor for side effect (GI/muscle pain) resolution: yes
  - Monitor for return of CERD/heartburn: yes

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