

Objectives

- Understanding the Process (Dr. Ahmadi)
- Methods in Patient Counseling (Dr. Ahmadi)
- Recognizing the Effective Approach (Dr. Kaplan)
- Pharmocotherapy Options (Dr. Kaplan)

Faculty/Presenter Disclosure

Faculty: Elaheh Ahmadi

Executive member, CFPC SIFP, Respiratory Medicine

Relationships with commercial interests:

- Grants/Research Support: none
- Speakers Bureau/Honoraria: nonr
- Consulting Fees: none
- Other: Employee of none

Disclosure of Commercial Support

This program has received no $\,$ financial support $\,$.

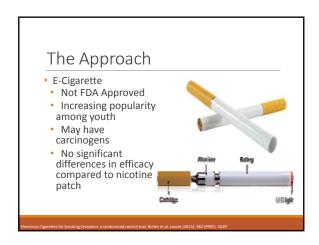
This program has received no other in-kind support

- Potential for conflict(s) of interest:
- A) there are no organizations supporting this program

Mitigation of potential bias:

 There is no bias other than being an physician interested in respiratory medicine.

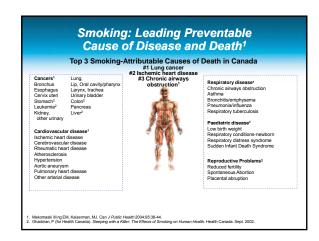
Counseling Behavioural Strategies Discuss past experiences Acknowledge associations Set a quit date Educate about withdrawal and side-effects Introduce community resources Make a Plan



Faculty/Presenter Disclosure Faculty: Alan Kaplan MD CCFP(EM) FCFP Chair Family Physician Airways Group of Canada Chair of Special Interest Focused Practice, College of Family Physicians in Respiratory Medicine. Chronic pain consultant, Richmond Hill and Brampton Civic Hospital Relationships with commercial interests: Grants/Research Support: none Speakers Bureau/Honoraria: Astra Zeneca, Boehringer Ingelheim, Griffols, Pfizer, Purdue, Merck Frosst, Novartis, sanofi, Takeda. Consulting Fees: Aerocrine, Novartis, Takeda, Purdue, Pfizer Other: Member of Health Canada Section on Allergy and Respiratory Therapeutics. Member of Public Health Agency of Canada section on Respiratory Surveillance

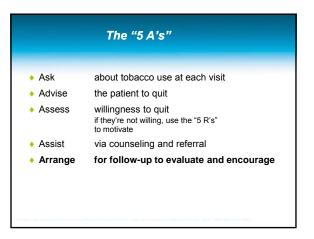




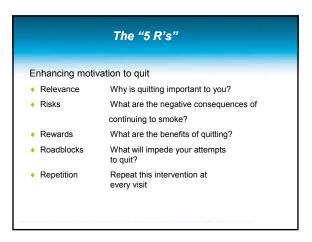


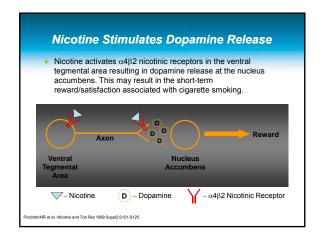
	fe Expectancy
Increased L	ife Expectancy
Age stop smoking by	Life years gained
<30 years	10
<40 years	9
<50 years	6
<60 years	3

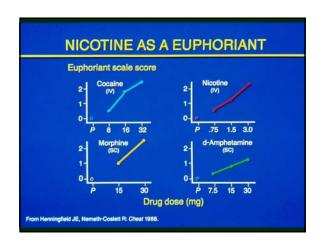
Patients 70% of smokers say they want to quit¹ - 2% of smokers quit each year • Fewer than 50% patients recall that their doctors advised them to quit².3.4 • People with smoking related diseases are more likely to recall their GP advice⁵ • Some patients report being irritated by the way their GP gave antismoking advice6 1Britton J 2004 2. HEA UK (1995) 3 Bolling & Owen (1997) 4. Lader (2002) 5. Silagyet et al (1992) 6. Stott (1990)



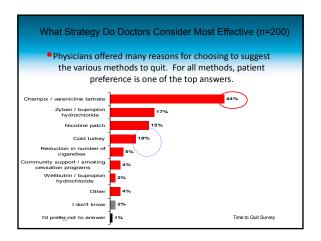
Should it be "the 2 A's"? Ask about tobacco use at each visit ACT!



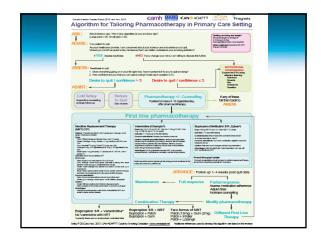


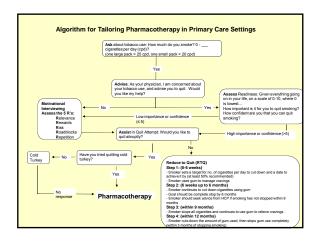


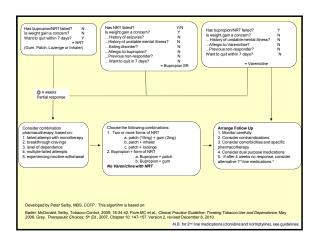
Why do people smoke? Factors in a successful quit attempt Nicotine withdrawal Habit Association with other things..coffee, meal, sex Stress Social Must deal with ALL of these to be successful!!



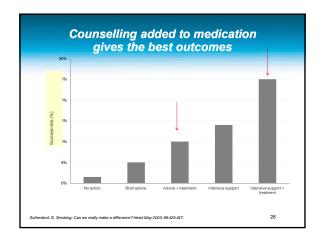


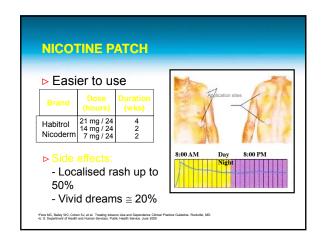




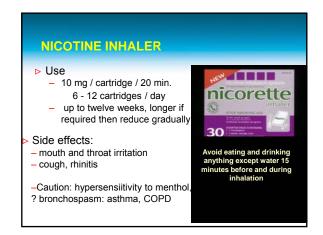


Medication	Nicotine gum	Nicotine patch	Nicotine inhaler	Bupropion	Varenicli
Treatment length	1-3 months	8-12 weeks	12-24 weeks	7-12 weeks	12 week
Main side effects	Upset stomach Hiccups	Headache Disturbed sleep Site rash	Irritation of throat and nasal passages Sneezing Coughing	• Insomnia	• Nausea
Dosage	2 mg, 4 mg	7 mg, 14 mg, 21 mg	6-12 cartridges per day	150-300 mg/day	0.5 mg qd l mg bid
Effectiveness at six months or longer (OR [CI])	1.66 (1.52-1.81)	1.81 (1.63-2.02)	2.14 (1.44-3.18)	2.06 (1.77-2.40)	2.83* (1.91-4.1



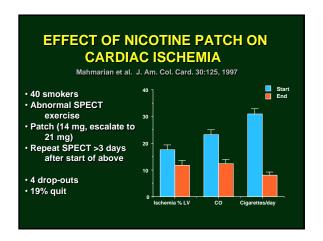


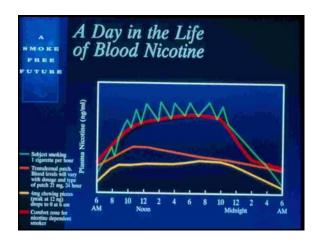


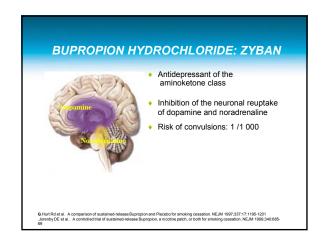


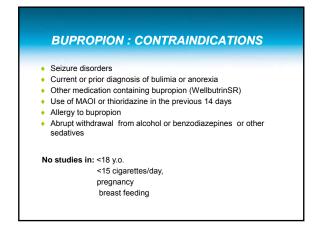


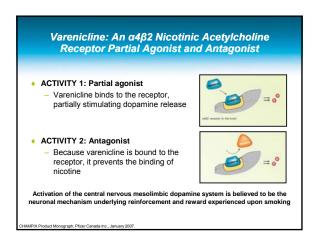
NICOTINE REPLACEMENT THERAPY Contra-indications according to manufacturer ➤ Recent myocardial infarct ➤ Unstable angina ➤ Severe arrhythmias ➤ Recovery from stroke ➤ Pregnancy and breast feeding ➤ Children < 18 y. o. ➤ Patches ➤ Allergy to tape ➤ Generalised cutaneous diseases











Antismoking drug still recommended to Canadians despite side effects and US advisory

- Side effects reported include depression, nightmares, suicidality, CV risk...but
- "Health Canada considers that, when used as directed, the benefits associated with Champix as a smoking cessation therapy continue to outweigh the overall risks," stated Health Canada spokesperson Paul Duchesne via email.

◆CMAJ • FEBRUARY 17, 2009 • 180(4)

Newest data: Champix plus Nicotine patch works best! aliab, 3914 ANTOD;15841 on 19 1919/awg 3914 7919. Efficacy of varenicine combined with nicotine replacement therapy vs varenicline alone for smoking cessation: a randomized chinical trial. It is assemble of chinical trial. It is assemble of the combined with nicotine replacement therapy vs varenicline alone for smoking cessation: a randomized chinical trial. It is assemble of the combined with nicotine replacement therapy vs varenicine alone for smoking cessation: a randomized chinical trial. It is author information Asserted INFORTANCE: Deviational approaches and pharmacotherapy are of proven beefelt in assisting smokes to quit, but it is unclear whether combining nicotion replacement therapy (PRI) with varenicine to in improve adotinence and a ractione patch via usersicine after in smoking cessation. It is SUN, E. 1816a, AND PRINTANUS Is Industrees, thereof, placeho-controlled client for what he "twent-bearing with patch to the decay and a father 12 weeks follow-up considered in 2 centers in South Alora binn April 2011 to October 2012. For hundred they are particularly annotes were restorated for 11, 50 were excluded in the efficacy and stelly analyses. INTERVINITIONES (Notione or placeto) patch treatment beging 2 weeks before a target quit date (TOQ) and continued for a further 12 weeks. MANIA QUITOMS 5.AND UNE ASIAS 5. National additional cases are satisfached and conference to province confirmed continuous abstraces care for weeks 5 through 2 cell strates are as seatable date of conference to province a desirate are as to a seatable of the control of the machine of the patch 2 weeks to the control of the machine of the patch 2 weeks to the control of the machine of the patch 2 weeks to the control of the machine of the patch 2 weeks to the control of the machine of the state 2 weeks to the control of the machine of the state 2 weeks to the control of the machine of the patch 2 weeks of the control of the control of the control of the control o

RIAL REGISTRATION: clinicaltrials gov identifier: NCT01444131.

How to talk about it? First thing we do is educate. How is that going for you?

Eg of CAMH FACT sheets you can use



So.

How much time must YOU spend to make a difference in the likelihood of a smoker to quit?

Smoking Cessation Effectiveness Increases with Treatment Intensity

Level of Contact	Estimated Odds Ratio (95% CI)	Estimated Abstinence Rate [†] (95% CI)
No Contact	1.0	10.9
Minimal Counseling (less than 3 minutes)	1.3 (1.01, 1.6)	13.4 (10.9, 16.1)
Low Intensity Counseling (3 to 10 minutes)	1.6 (1.2, 2.0)	16.0 (12.8, 19.2)
Higher Intensity Counseling (more than 10 minutes)	2.3 (2.0, 2.7)	22.1 (19.4, 24.7)

The abstinence rate is defined as the proportion of participants who reported no smoking. Fiore MC et al. US Department of Health and Human Services. Public Health Service. June 2000.

You can try this strategy: What's in a Cigarette? Tobacco smoke: ≥ 4000 chemicals¹, ≥ 50 carcinogenic² Chemicals in Tobacco Smoke¹ Also Found In... Paint stripper Acetone Lighter fluid Butane Ant poison Arsenic Cadmium Car batteries Nicotine is responsible for the addiction, but other chemicals are also involved.2 Smoking cigarettes with lower tar and nicotine provides no health benefit.2 orld Health Organization. Tobacco: deadly in any form or disguise, 2006 alth Canada. What's in Cigarette smoke?, August 2005.

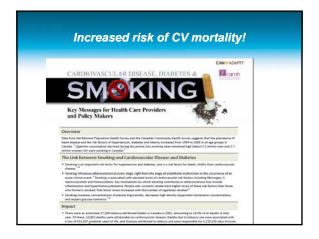


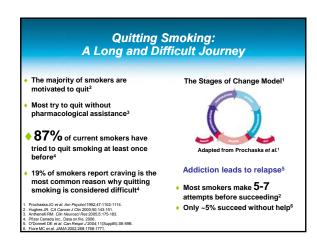




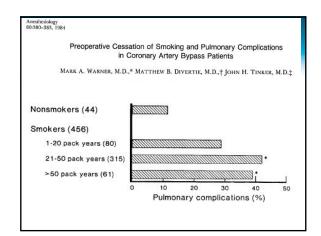












Smokers do less well postoperatively

Short Term

- Worse wound healing (Mastectomy flap necrosis 18.9% v 9.0 in NS) (DW Chang Plastic & Reconstr Surg. 2000 p2374)
- More infections (12% in smokers, v 2% NS) (Sorensen, Ann Surg, 2003)

Long Term

- Worse outcome (more pain, poorer function) one year after ACL repair (Garler, JELS, 2006)

We found that smoking was the single most important risk factor for the development of postoperative complications" (Moller JBJS 2002)

... and smokers are more likely to come back for repeat surgery

- Failure of original operation
 - Spinal fusion: Non-union twice as common in smokers (Glassman Spine 2000)
- Postoperative complications

Abdominal wall necrosis (Smokers 7.9% Exsmokers 4.3% NS 1.0 %). (Padubidri Plastic & Recon Surgery: 2001: p342)

Progression of underlying disease

Fem-pop graft -> Revision/Endarterectomy >Sympathectomy ->Toe amputation ->BKA ->
AKA

The Lancet, Volume 159, Issue 1502, Pages 114 - 117, 12 January 2002
doi:10.1016/504-00-6726(02)07269-5 © Cite or Lisk Lisber DOI

Effect of preoperative smoking intervention on postoperative complications: a randomised clinical trial

Dr. Ann M Modler MD 8 Eff. Hest Vilhebor RM 8, Ton Pederson MD 8, Hanne Tononson MD 8

120 patients for elective joint replacement
Randomised to control or smoking cessation intervention:

Control Routine preoperative preparation
4 stopped smoking anyway

Intervention Routine preoperative preparation plus weekly meetings with nurse, NRT therapy
36 stopped smoking, 14 reduced, 6 continued

	Results	
	Control	Intervention
Wound problems:	31%	5%
CV Insufficiency	10%	0%
Avg. days in hospital	13	11
Total days in ICU	32	2



When to stop? Ideally 6 – 8 weeks or longer Definite advantage of 4 weeks For carbon monoxide elimination, 4 -8 hours – "No smoking after midnight"? – Risk of stopping shortly before surgery? Postoperative quitting aids wound healing









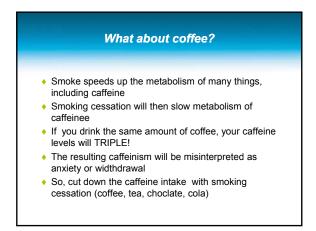




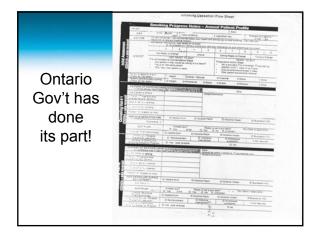
WORRIES	STRATEGIES
◆ Craving	<u>◆ D</u> o something else
	<u>◆D</u> elay
	◆ <u>D</u> eep breaths
	<u>◆ D</u> rink water

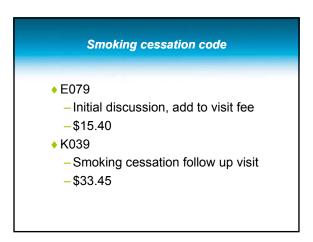
WORRIES	STRATEGIES
♦ Weight gain	Concentrate on cessation Adopt healthy life style: exercise and good nutrition Consider using nicotine gum
 Stress control 	 Avoid or change source of stress Change behaviour towards stress Use relaxation techniques

WORRIES	STRATEGIES
 Triggers 	Alcohol and coffee Change routine
 Relationship with smokers 	 Inform smoking friends of decision Ask support from friends Choose non-smoking areas













Communicating in Motivational Interviewing

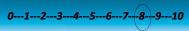
- Open ended question
- **A**ffirmations
- Reflective Listening
- Summaries



Exploring Ambivalence by Assessing Importance of Change « Motivation »

♦ Use a 0-10 scale:

« On a scale of 0-10, where 0 is not at all and 10 is extremely, how important is it for you to take your medication as prescribed? »



- ♦ Possible follow-up question?
 - « Why are you at a 8 and not a lower #? »
 - This elicits their reasons for wanting to change and what is personally motivating to them (example of how to elicit « change-talk »)

Exploring Ambivalence by Assessing Confidence

♦ Use the 0-10 scale:

« On a scale of 0-10, where 0 is not at all and 10 is extremely, how confident are you in your ability to take your asthma medication as prescribed? »

0---1---2---3---4---5---6-(-7-)--8---9---10

- Possible follow-up question?
 - « Why are you at a 7 and not a lower #? »
 - This elicits their skills and resources (also an example of how to elicit « change-talk »)

