



# Study Question

Among adults undergoing surgery, does Cytisine compared to placebo, and video messaging support compared to standard care, increase the proportion of smokers who are abstinent from smoking at 6 months post-randomization?

# Study Summary

## Vanguard Objective



Feasibility of recruitment and follow-up

## Full Trial Objective

Determine effects of cytisine versus placebo and personalized video messaging versus standard care on biochemically verified 6 month continuous abstinence



## Study Design

**2 x 2 factorial  
RCT**

## Intervention

8 weeks of intervention through two components:

- **pharmacotherapy:** cytisine compared to placebo
- **behavioral support:** personalized video messages (2 per week) compared to standard of care



## Vanguard

- 100 patients
- 7 sites
- 1 country



## Full trial

- 1720 patients
- 35 sites
- 9 countries



PREVENT

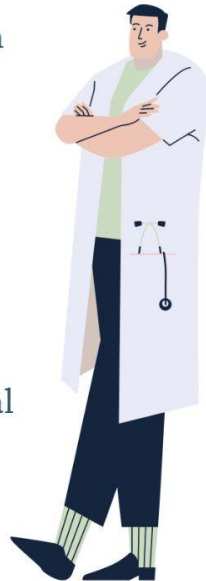
# Primary Outcomes

## Vanguard

Feasibility of recruiting a total of 100 patients across the 7 centres at an average recruitment rate of 2 patients per center per month, achieving follow-up at 6 months post-randomization on  $\geq 90\%$  of the patients

## Full

the effect of cytisine versus placebo and in a 2x2 factorial design, personalized video messaging to provide behavioral counselling support compared to standard care, on biochemically verified 6 month continuous abstinence at the 6 month post randomization visit



# Full Trial Secondary Outcomes

## Urge to smoke

Measured using MPSS at baseline and 6 months

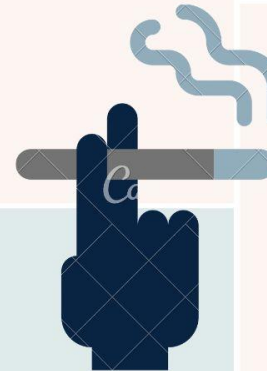
## 7-day point prevalence

30 days, 56 days and 6 months



## Time to first lapse

Defined as smoking a puff after initial quit



## Time to relapse

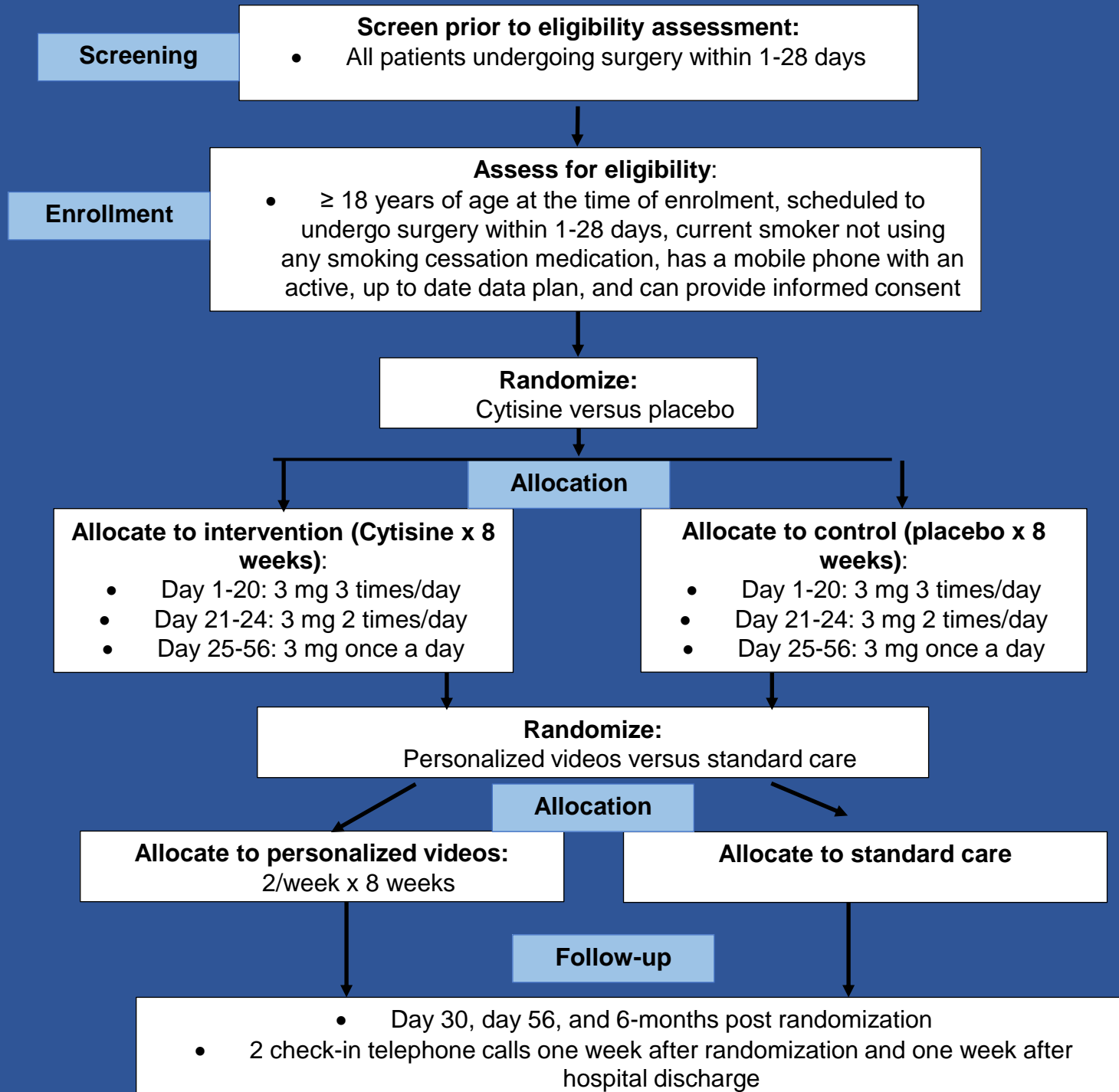
Defined as return to regular smoking following a period of abstinence

## Number of cigarettes smoked daily if still smoking

At 30 days, 56 days and 6 months

**We will also capture post-operative clinical outcomes such as vascular, pulmonary, wound and infectious complications, along with length of hospital stay and any acute hospital care post-randomization**





Thank You!



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