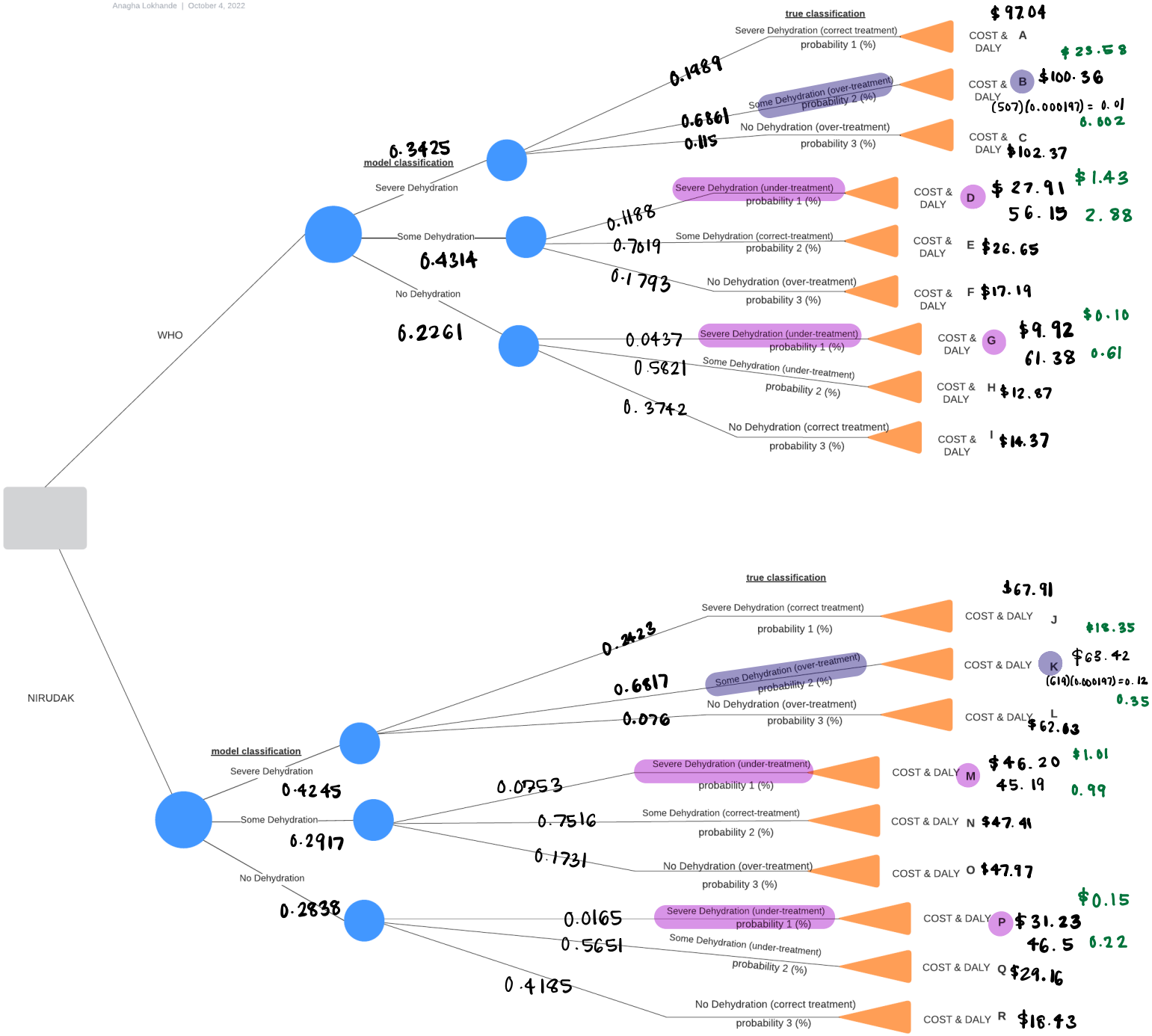
Draft Decision Tree

Anagha Lokhande | October 4, 2022




blue
purple
→ DALY values calculated only

$$\text{ICER} = \frac{\text{Cost}_{\text{NIRUDAK}} - \text{Cost}_{\text{WHO}}}{\text{Effectiveness}_{\text{NIRUDAK}} - \text{Effectiveness}_{\text{WHO}}}$$

for all patients

$$= \frac{48.18 - 48.06}{1.56 - 3.49}$$

$$= -0.06$$

$48.18 is the total expected cost for NIRUDAK
$48.06 is the total expected cost for WHO

interpretation: using NIRUDAK over WHO means spending an extra $0.06 per DALY averted

for sick pts

$$= \frac{19.51 - 24.81}{1.56 - 3.49} = 2.74$$

$19.51 is the expected cost of adverse rxns for NIRUDAK
$24.81 is the expected cost of adverse rxns for WHO

WHO

PROBABILITIES

B

$(0.3425)(0.6861) = 0.24$

D

$(0.4314)(0.1188) = 0.05$

G

$(0.2261)(0.0437) = 0.01$

NIRUDAK

K

$(0.4245)(0.6817) = 0.29$

M

$(0.2917)(0.0753) = 0.02$

P

$(0.2838)(0.0165) = 0.005$