

R program used in this study

```
# for Cox regression
cox1<-cph (Surv (survival months, status) ~var list,
x=T, y=T, data=mydata, method=(“breslow”), surv=T, time.inc=36 or 60)
cox1.step <- step (cox1, direction=(“both”))
cox1.step=step(cox1)

# for plotting the nomogram
plot (nomogram (cox1.step, fun=list (surv2, surv3), lp=F,
funlabel=c (‘3-Year LCSS’, ‘5-Year LCSS’),
maxscale=100, fun.at=c (0.95,0.85,0.80,0.70,0.6,0.5,0.4,0.3,0.2,0.1)),
xfrac=.3)

# for plotting calibration curve
calnv<- calibrate (cox1.step, cmethod=’KM’, method=’boot’, u=30 or 60, m=500, B=1000)
plot(calnv)

# for decision curve
DC1 <- decision_curve (status~var list,
data = mydata,
study.design = “case-control”,
policy = “opt-in”,
bootstraps = 500,
confidence.intervals =0.95,
population.prevalence= 0.3))
plot_decision_curve(DC1, curve.names = “nomogram model”)
```