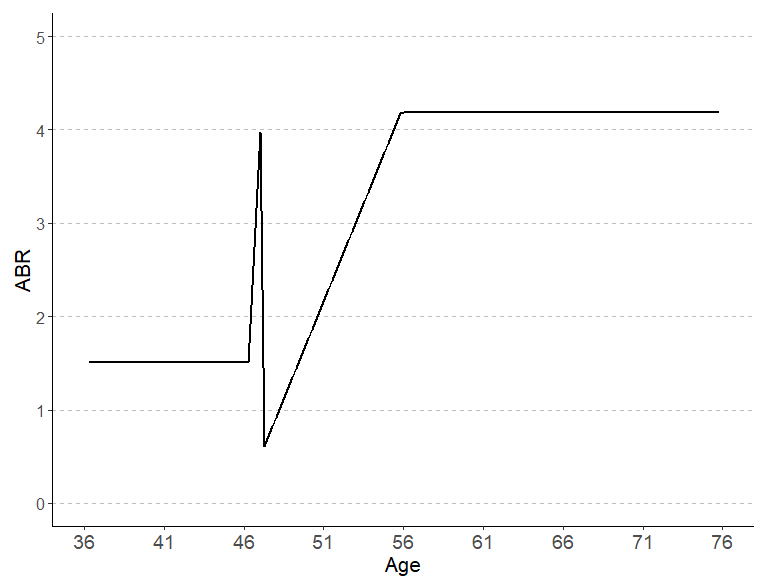
Analysis of HB CE cohort

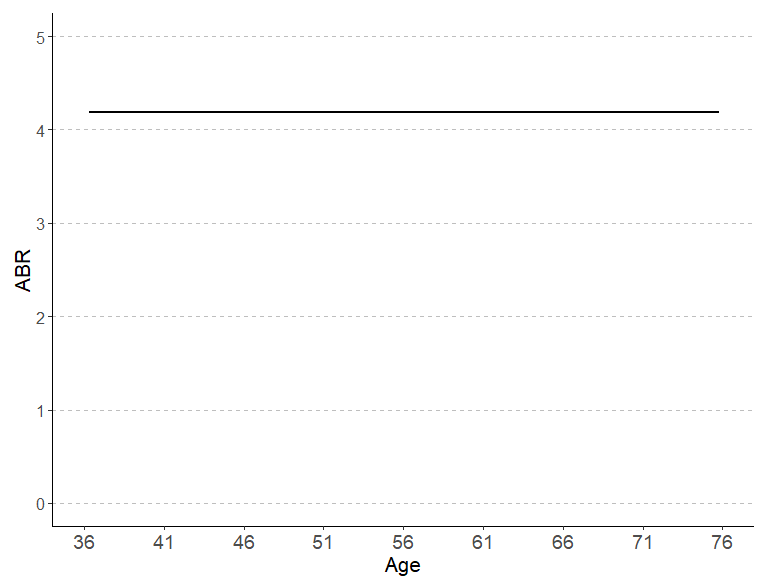
Niklaus Meier

Juni 20, 2023

## Warning: Removed 210 rows containing missing values (`geom\_line()`).

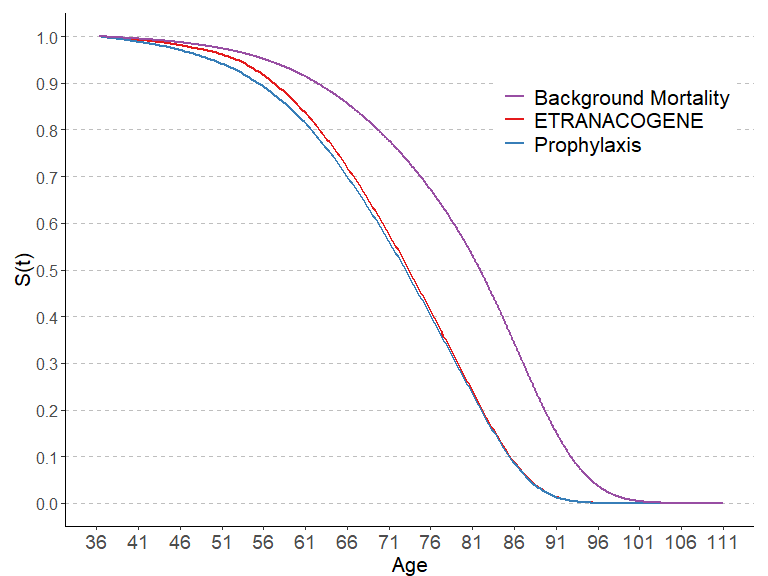


## Warning: Removed 210 rows containing missing values (`geom\_line()`).



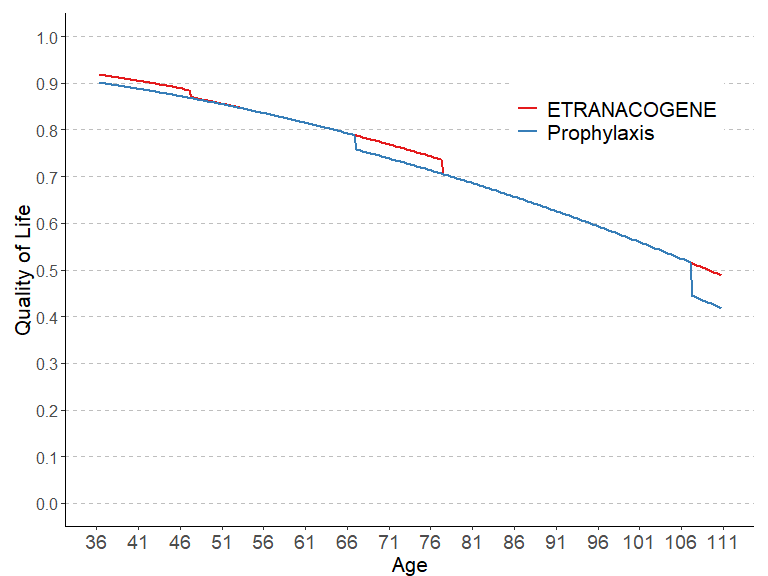
## Warning: Removed 70 rows containing missing values (`geom\_line()`).  
## Removed 70 rows containing missing values (`geom\_line()`).

## Warning: Removed 207 rows containing missing values (`geom\_line()`).



## Warning: Removed 70 rows containing missing values (`geom\_line()`).

## Warning: Removed 70 rows containing missing values (`geom\_line()`).



pandoc.table(cycle\_length\_comp\_LYs, "Comparison Life Years", style = 'rmarkdown')

##   
##   
## | &nbsp; | ETRANACOGENE | PROPHYLAXIS |  
## |:-------------:|:------------:|:-----------:|  
## | \*\*12 months\*\* | 21.91 | 21.55 |  
## | \*\*3 months\*\* | 21.57 | 21.23 |  
## | \*\*1 month\*\* | 21.52 | 21.17 |  
## | \*\*1 week\*\* | 21.49 | 21.14 |  
##   
## Table: Comparison Life Years

# We see a relevant reduction in the number of LYs based on shorter cycle lengths,  
# though the difference between one month and one week is very small  
  
pandoc.table(cycle\_length\_comp\_costs, "Comparison Costs", style = 'rmarkdown')

##   
##   
## | &nbsp; | ETRANACOGENE | PROPHYLAXIS |  
## |:-------------:|:------------:|:-----------:|  
## | \*\*12 months\*\* | 5629957 | 7108287 |  
## | \*\*3 months\*\* | 5559866 | 7003264 |  
## | \*\*1 month\*\* | 5586220 | 6986025 |  
## | \*\*1 week\*\* | 5592474 | 6975326 |  
##   
## Table: Comparison Costs

# For ENDOSCAPE: Costs increase considerably with shorter cycle lengths, since  
# retreatment can occur earlier with shorter cycles  
  
# For viral gene therapy and prophylaxis:   
# We see a relevant reduction in the costs based on shorter cycle lengths,  
# though the difference between one month and one week is very small  
  
pandoc.table(cycle\_length\_INMB, "Comparison Incremental Net Monetary Benefit", style = 'rmarkdown')

##   
##   
## | &nbsp; | ETRANACOGENE vs. PROPHYLAXIS |  
## |:-------------:|:----------------------------:|  
## | \*\*12 months\*\* | 1504734 |  
## | \*\*3 months\*\* | 1468628 |  
## | \*\*1 month\*\* | 1424925 |  
## | \*\*1 week\*\* | 1407957 |  
##   
## Table: Comparison Incremental Net Monetary Benefit

# We see a relevant reduction in the INMB based on shorter cycle lengths,  
# though the difference between one month and one week is very small

# System information

Sys.info()

sysname release version nodename machine login user effective\_user   
 "Windows" "10 x64" "build 19044" "M04486" "x86-64" "min1" "min1" "min1"

sessionInfo(package = NULL)

R version 4.3.0 (2023-04-21 ucrt) Platform: x86\_64-w64-mingw32/x64 (64-bit) Running under: Windows 10 x64 (build 19044)

Matrix products: default

locale: [1] LC\_COLLATE=German\_Switzerland.utf8 LC\_CTYPE=German\_Switzerland.utf8 LC\_MONETARY=German\_Switzerland.utf8 LC\_NUMERIC=C LC\_TIME=German\_Switzerland.utf8

time zone: Europe/Zurich tzcode source: internal

attached base packages: [1] stats graphics grDevices utils datasets methods base

other attached packages: [1] rmarkdown\_2.22 captioner\_2.2.3 ggrepel\_0.9.3 plyr\_1.8.8 ggpubr\_0.6.0 truncnorm\_1.0-9 lookup\_1.0 data.table\_1.14.8 pander\_0.6.5  
[10] RColorBrewer\_1.1-3 ggplot2\_3.4.2

loaded via a namespace (and not attached): [1] utf8\_1.2.3 generics\_0.1.3 tidyr\_1.3.0 rstatix\_0.7.2 digest\_0.6.31 magrittr\_2.0.3 evaluate\_0.21 grid\_4.3.0 fastmap\_1.1.1 backports\_1.4.1 purrr\_1.0.1  
[12] fansi\_1.0.4 scales\_1.2.1 abind\_1.4-5 cli\_3.6.1 rlang\_1.1.1 crayon\_1.5.2 cowplot\_1.1.1 munsell\_0.5.0 withr\_2.5.0 yaml\_2.3.7 tools\_4.3.0  
[23] ggsignif\_0.6.4 dplyr\_1.1.2 colorspace\_2.1-0 broom\_1.0.5 vctrs\_0.6.3 R6\_2.5.1 lifecycle\_1.0.3 car\_3.1-2 pkgconfig\_2.0.3 pillar\_1.9.0 gtable\_0.3.3  
[34] glue\_1.6.2 Rcpp\_1.0.10 highr\_0.10 xfun\_0.39 tibble\_3.2.1 tidyselect\_1.2.0 rstudioapi\_0.14 knitr\_1.43 farver\_2.1.1 htmltools\_0.5.5 carData\_3.0-5  
[45] labeling\_0.4.2 compiler\_4.3.0