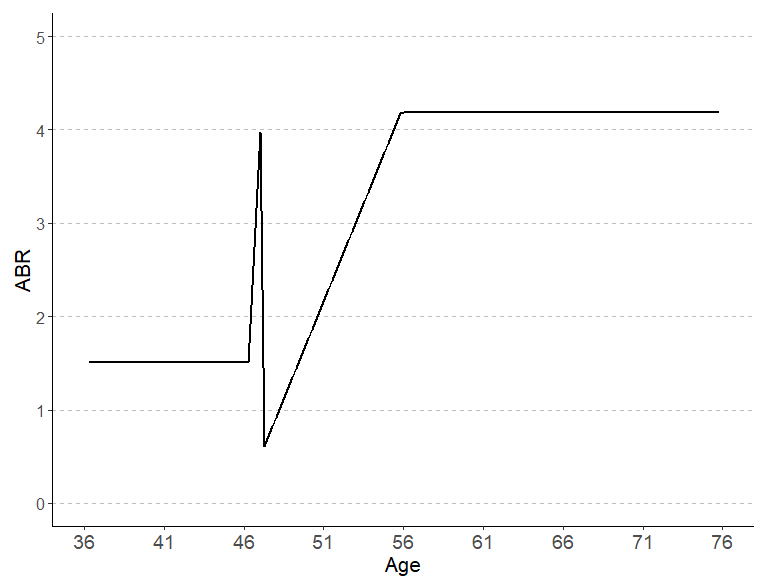
Analysis of HB CE cohort

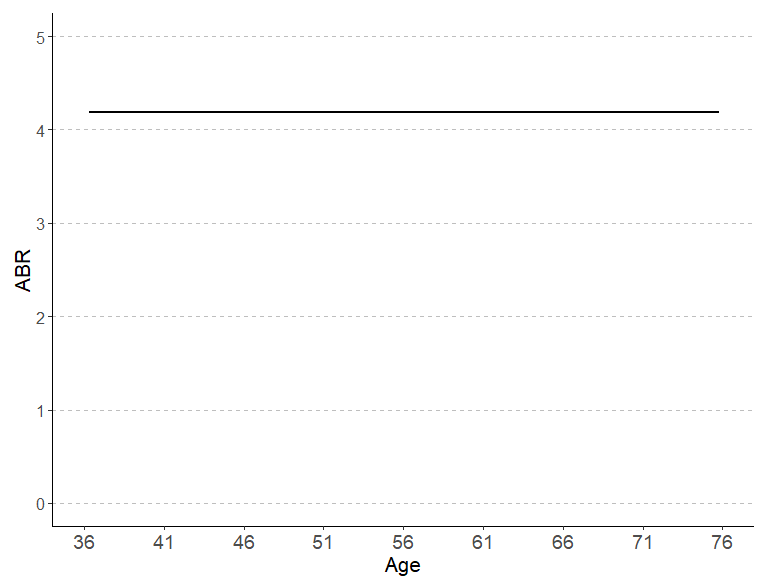
Niklaus Meier

November 14, 2023

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

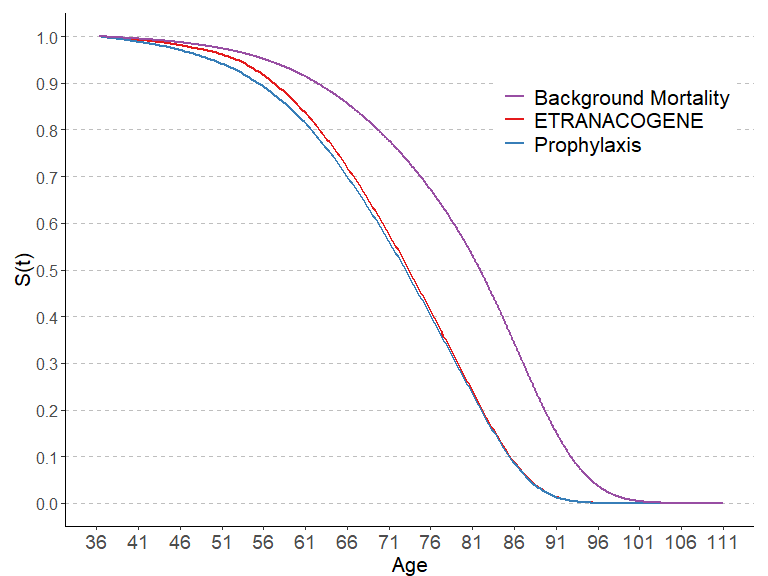


## Warning: Removed 210 rows containing missing values (`geom\_line()`).



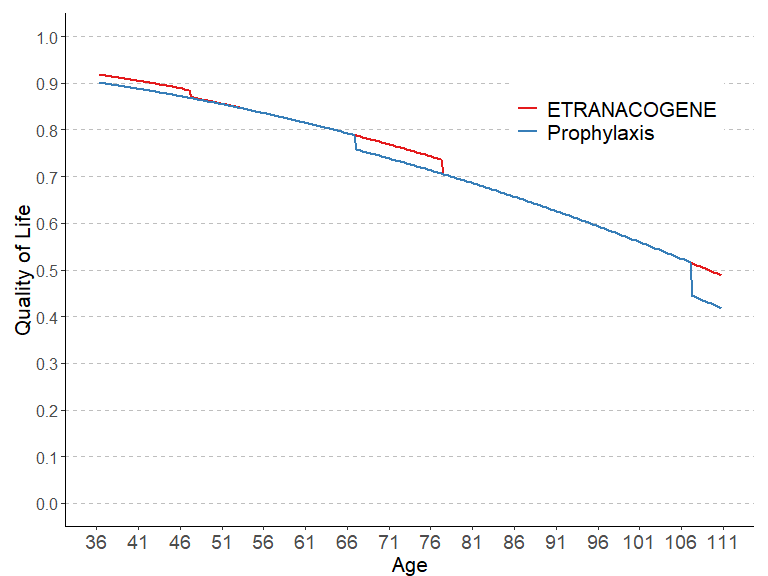
## Warning: Removed 70 rows containing missing values (`geom\_line()`).  
## Removed 70 rows containing missing values (`geom\_line()`).

## 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()`).



kbl(cycle\_length\_comp\_LYs, format = "simple", caption = "Comparison Life Years")

Comparison Life Years

|  | ETRANACOGENE | PROPHYLAXIS |
| --- | --- | --- |
| 12 months | 21.91437 | 21.54836 |
| 3 months | 21.57047 | 21.22726 |
| 1 month | 21.51748 | 21.17500 |
| 1 week | 21.48530 | 21.14216 |

# 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  
  
kbl(cycle\_length\_comp\_costs, format = "simple", caption = "Comparison Costs")

Comparison Costs

|  | ETRANACOGENE | PROPHYLAXIS |
| --- | --- | --- |
| 12 months | 5629957 | 7108287 |
| 3 months | 5559866 | 7003264 |
| 1 month | 5586220 | 6986025 |
| 1 week | 5592474 | 6975326 |

# 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  
  
kbl(cycle\_length\_INMB, format = "simple", caption = "Comparison Incremental Net Monetary Benefit")

Comparison Incremental Net Monetary Benefit

|  | ETRANACOGENE vs. PROPHYLAXIS |
| --- | --- |
| 12 months | 1504734 |
| 3 months | 1468628 |
| 1 month | 1424925 |
| 1 week | 1407957 |

# 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 19045" "M04486" "x86-64" "min1" "min1" "min1"

sessionInfo(package = NULL)

R version 4.3.1 (2023-06-16 ucrt) Platform: x86\_64-w64-mingw32/x64 (64-bit) Running under: Windows 10 x64 (build 19045)

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\_2.23 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 RColorBrewer\_1.1-3 ggplot2\_3.4.2  
[11] kableExtra\_1.3.4

loaded via a namespace (and not attached): [1] utf8\_1.2.3 generics\_0.1.3 tidyr\_1.3.0 rstatix\_0.7.2 xml2\_1.3.5 stringi\_1.7.12 digest\_0.6.33 magrittr\_2.0.3 evaluate\_0.21 grid\_4.3.1 fastmap\_1.1.1  
[12] backports\_1.4.1 httr\_1.4.6 rvest\_1.0.3 purrr\_1.0.1 fansi\_1.0.4 viridisLite\_0.4.2 scales\_1.2.1 abind\_1.4-5 cli\_3.6.1 crayon\_1.5.2 rlang\_1.1.1  
[23] cowplot\_1.1.1 munsell\_0.5.0 withr\_2.5.0 yaml\_2.3.7 tools\_4.3.1 ggsignif\_0.6.4 dplyr\_1.1.2 colorspace\_2.1-0 webshot\_0.5.5 broom\_1.0.5 vctrs\_0.6.3  
[34] R6\_2.5.1 lifecycle\_1.0.3 stringr\_1.5.0 car\_3.1-2 pkgconfig\_2.0.3 pillar\_1.9.0 gtable\_0.3.3 glue\_1.6.2 Rcpp\_1.0.11 systemfonts\_1.0.4 highr\_0.10  
[45] xfun\_0.39 tibble\_3.2.1 tidyselect\_1.2.0 rstudioapi\_0.15.0 knitr\_1.43 farver\_2.1.1 htmltools\_0.5.5 labeling\_0.4.2 carData\_3.0-5 svglite\_2.1.2 compiler\_4.3.1