



YONSEI  
UNIVERSITY

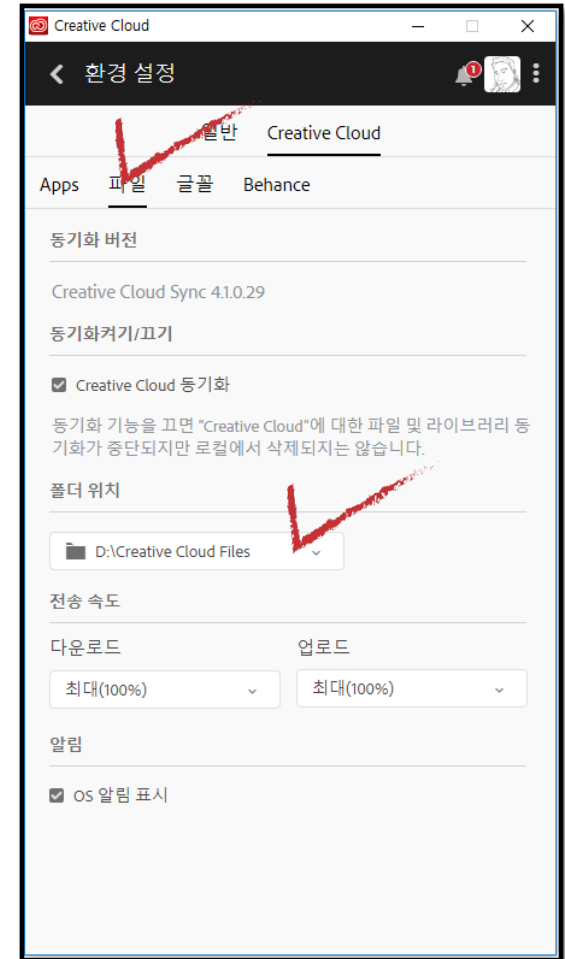
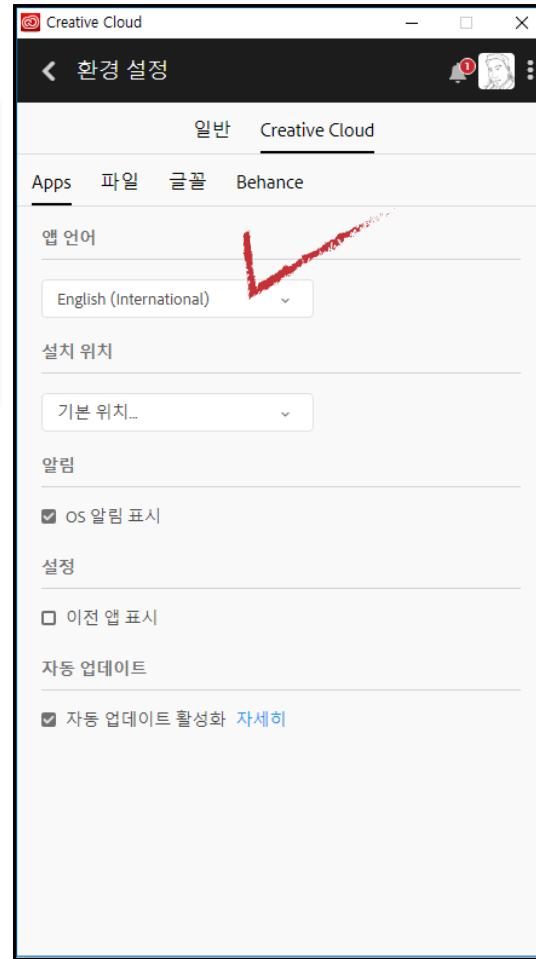
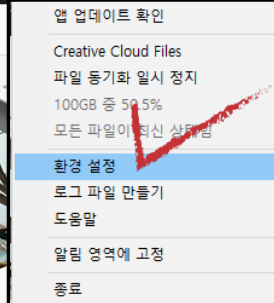
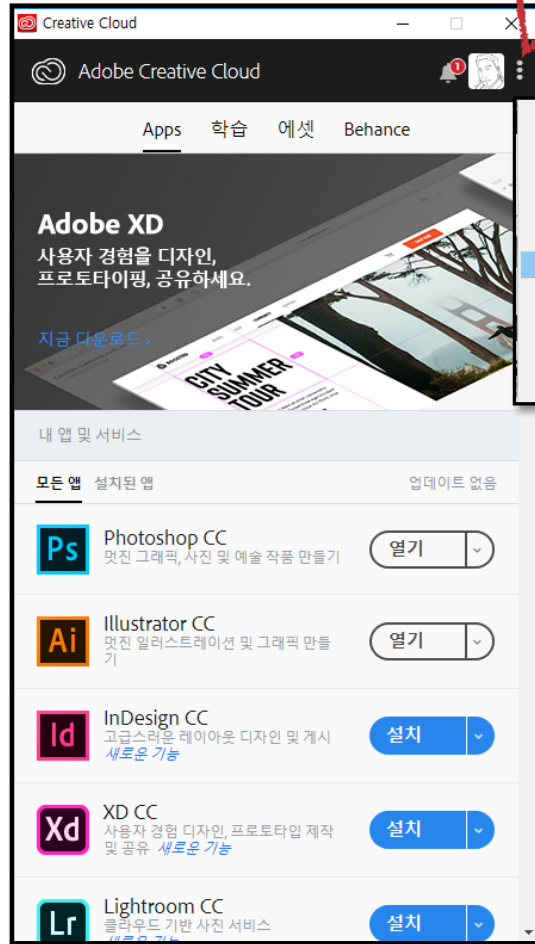
# Adobe를 활용한 논문 'Figure' 정리 방법

(Cloud 활용 방법 및 Adobe Photoshop,  
Illustrator 중심으로)

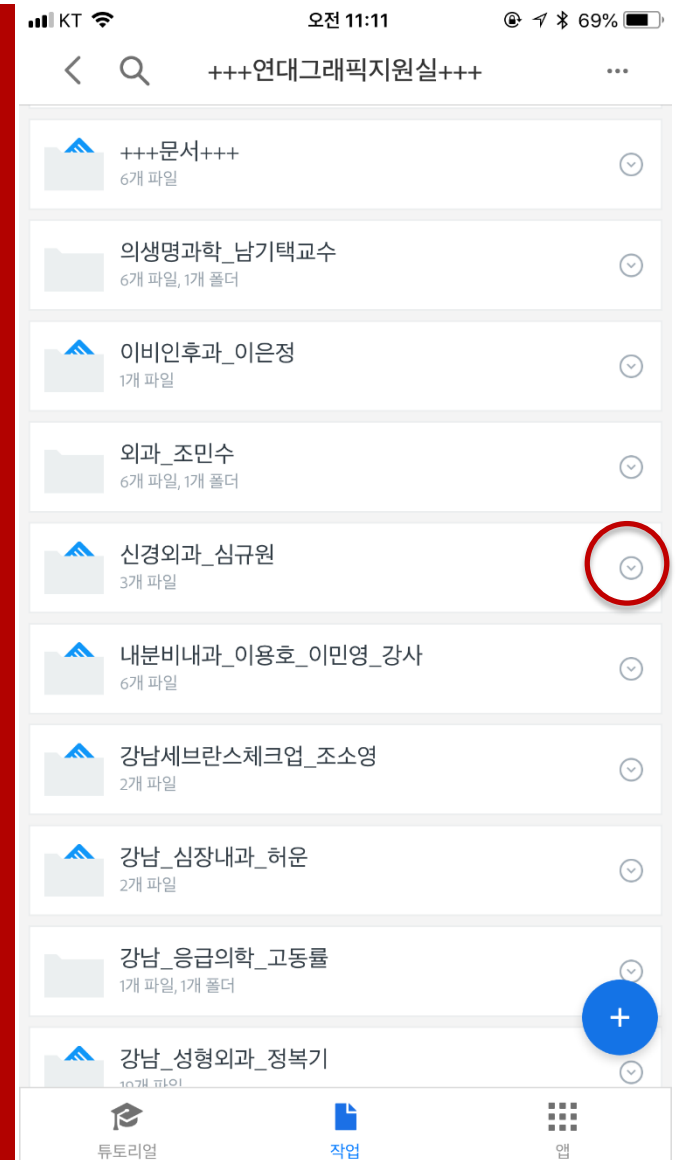
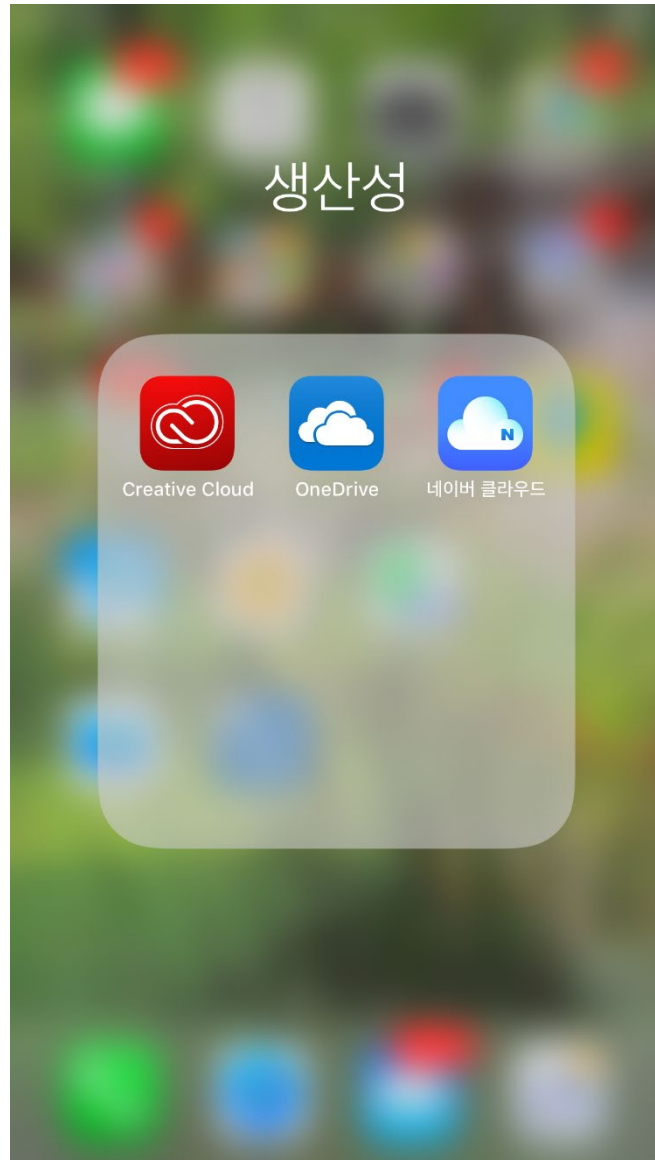
*Severance*

Medical Illustrator  
장 동 수

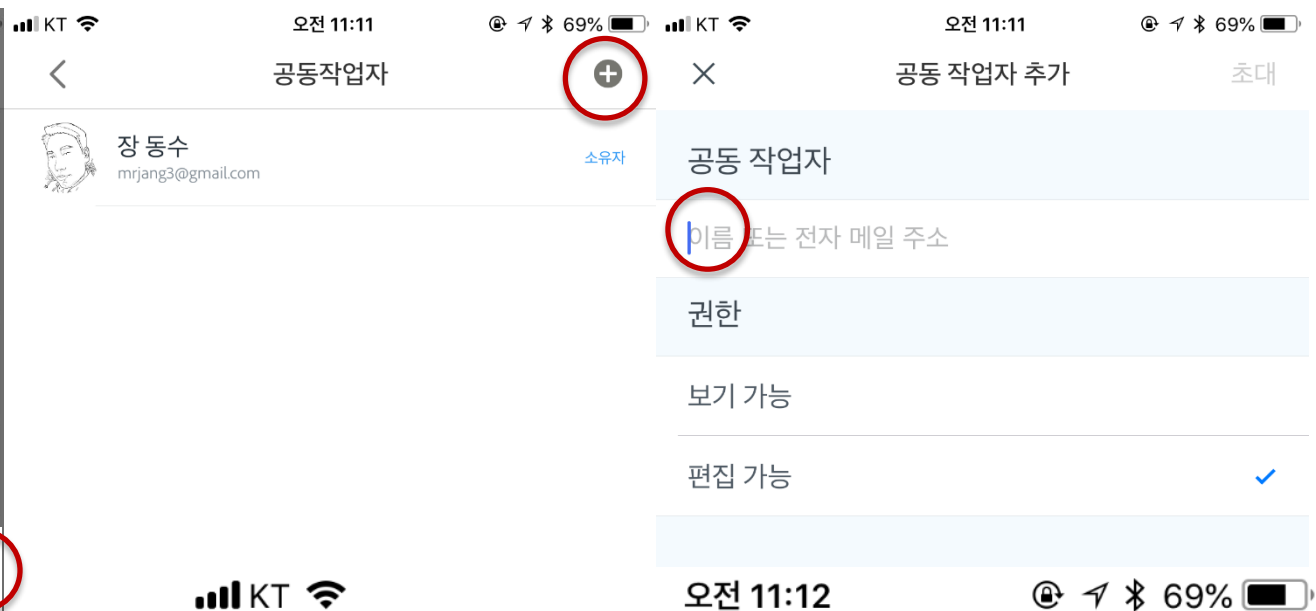
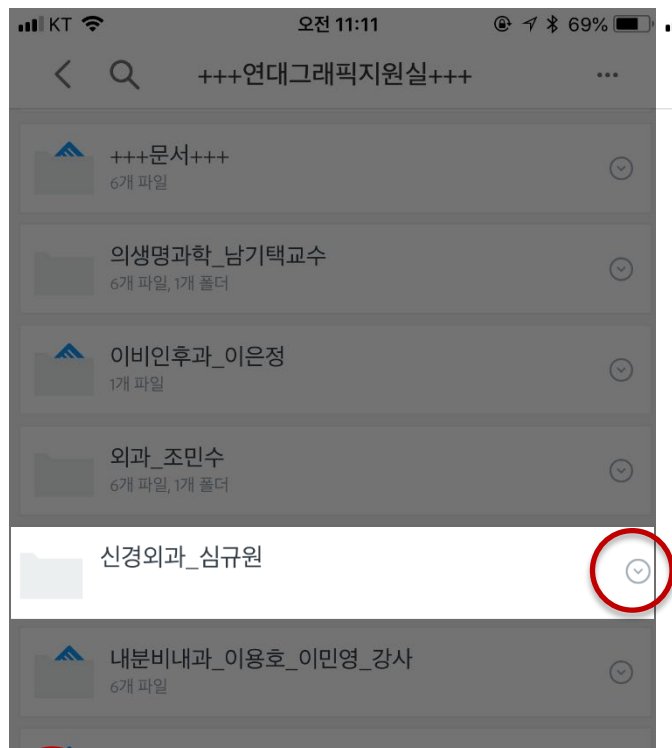
# Adobe Creative Cloud PC 설정방법



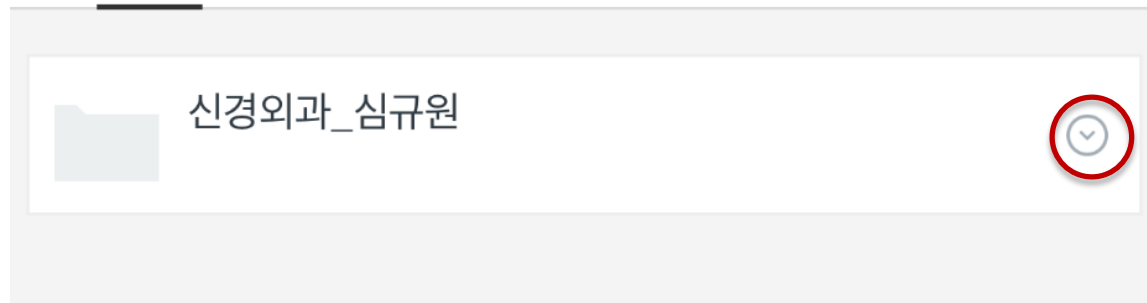
# Adobe Creative Cloud 모바일 폴더 공유설정



# Adobe Creative Cloud 모바일 폴더 공유설정



모두 파일 라이브러리 LR 사진 모바일 창작물







## 설치된 모바일 앱



## Photoshop Mix

이미지를 언제든지 변환하고 향상할 수 있습니다.



## Photoshop Express

쉽고 빠르고 재미있게 사진을 편집할 수 있습니다.



## Illustrator Draw

레이어를 이용한 확장 가능한 벡터 일러스트레이션을 제작합니다.



## Comp CC

인쇄, 웹 및 모바일을 위한 아이디어를 신속하게 구현할 수 있습니다.



## Premiere Clip

개별 클립을 빠르고 재미있게 수준 높은 동영상으로 편집할 수 있습니다.



## Capture CC

브러시, 색상, 패턴, 재질, 유형 및 모양을 빠르게 캡처, 편집, 공유하세요.





Adobe Creative Cloud



Apps

학습

에셋

Behance

파일

글꼴

Market



폰터 열기

웹에서 보기



14.42% 사용됨

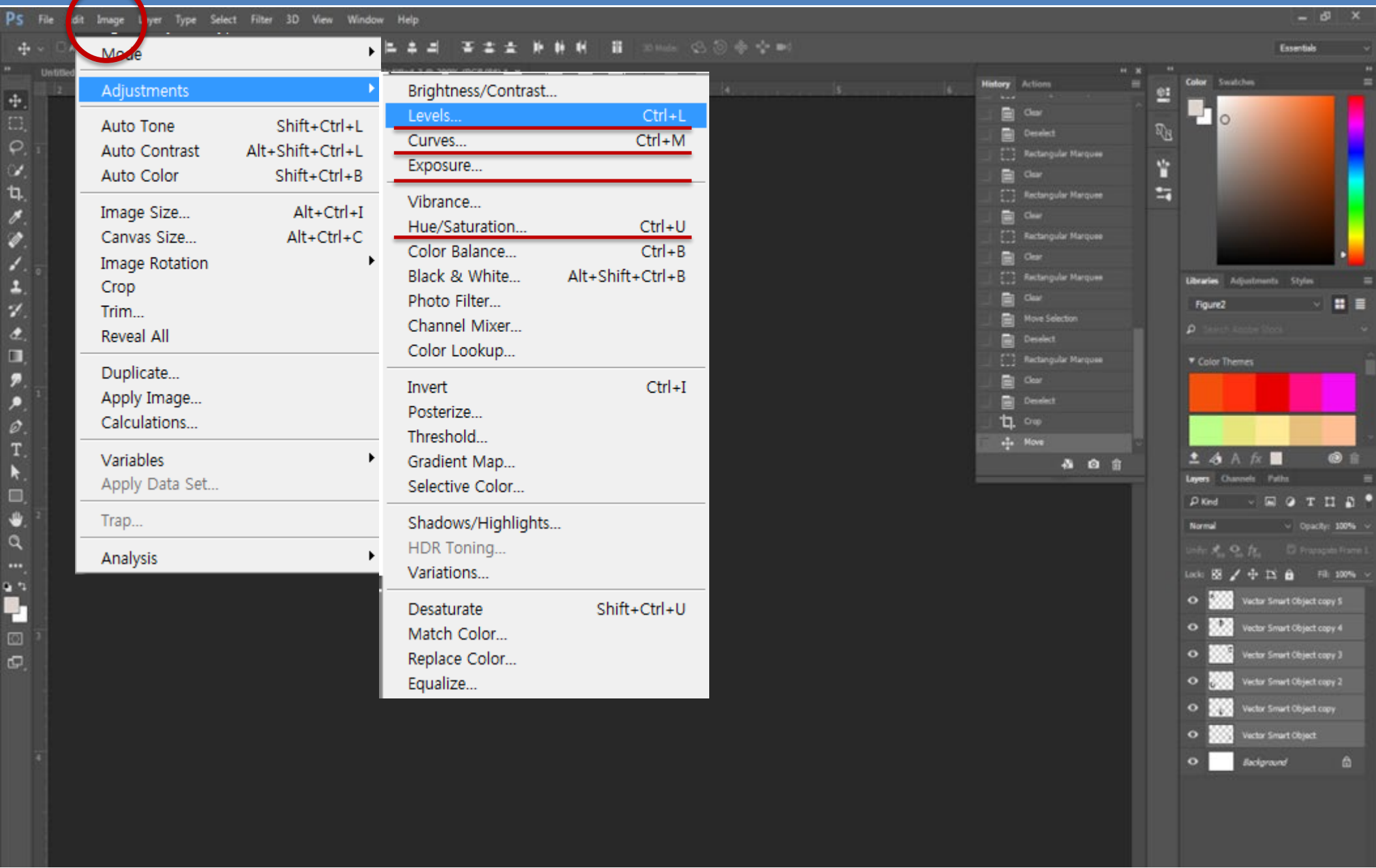
14.42GB/100GB

[스토리지 업그레이드](#)

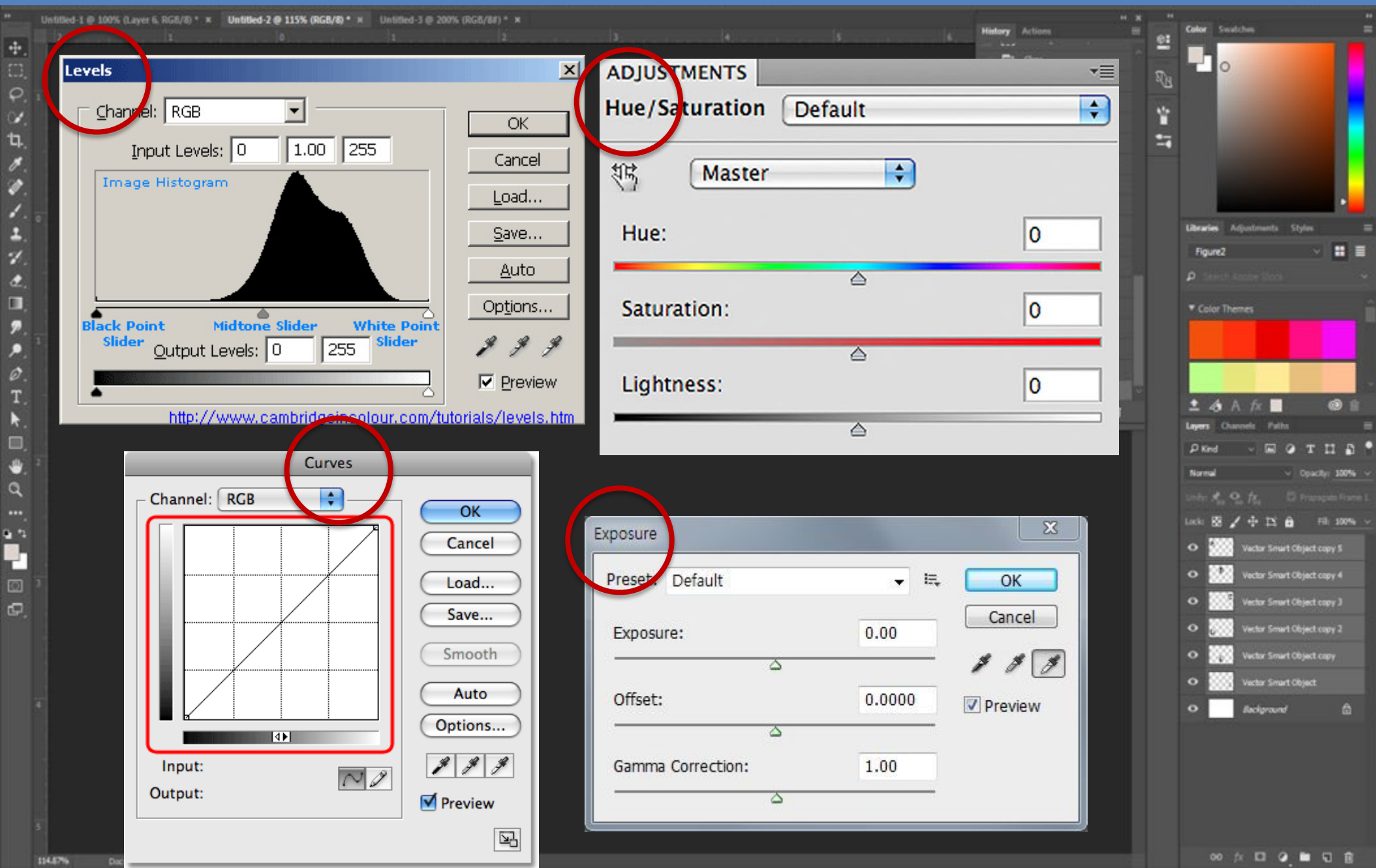


최신 상태임

# Adobe Photoshop 사진보정



# Adobe Photoshop 사진보정



History Actions

History: Untitled-1, New, Paste, Layer Via Copy, Levels

Actions: (empty)

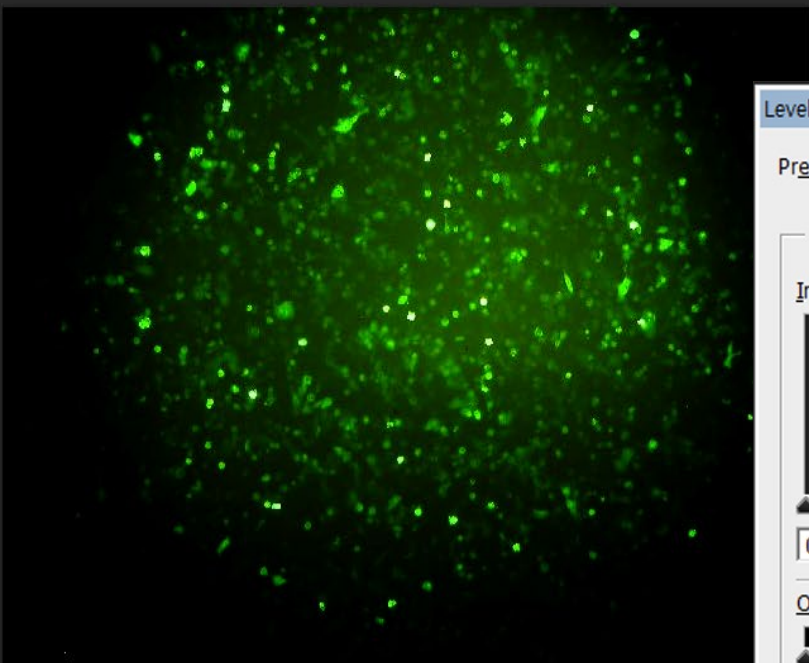
Histogram Navigator

Histogram: (green distribution)

Adjustments: Add an adjustment

Layers Channels Paths

Layers: Kind, Opacity: 100%, Fill: 100%



Levels

Preset: Custom

Channel: RGB

Input Levels: (Histogram with red circles around the white and black points)

Output Levels: (Slider from 0 to 255)

Buttons: OK, Cancel, Auto, Options...

Preview: ☒ Preview



# Adobe Illustrator Figure 정리 방법

Figure types 구분

Photoshop, Illustrator 차이

RGB 와 CMYK 구분

꼭 필요한 Illustrator 메뉴 확인

SPSS 그래프 추출하는 방법

R 그래프 추출하는 방법

embed/ Ai 이미지포함

Clipping Mask 기능 및 Align

Figure 크기와 논문형식에 맞춰 Artboards 크기조절

Tiff, eps 또는 PDF 변환

# Figure types

Line Art

Grayscale

Halftones

Combination Figures

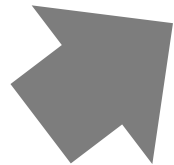
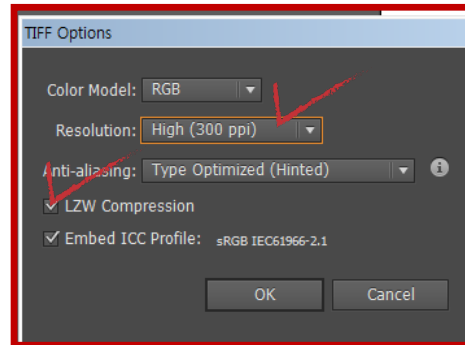
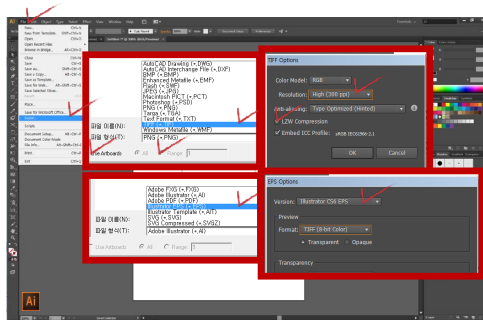
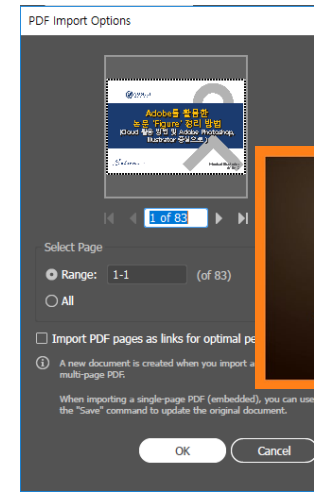
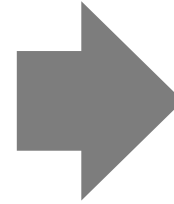
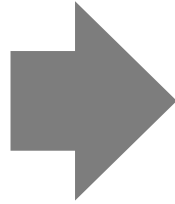
Format

**Tiff or EPS**

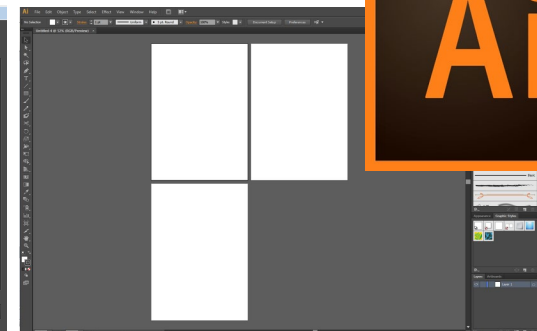
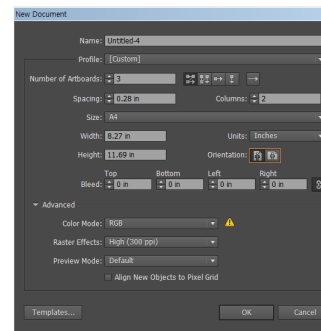
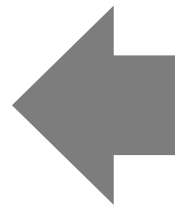
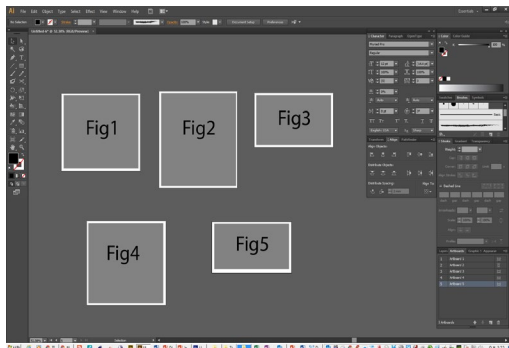
Minimum Resolution: 300 dpi

Tiff : Tagged Image File Format

EPS: Encapsulated PostScript



**Tiff & eps**





# Bitmap

PSD

TIFF

JPEG

GIF

PNG

...

# Vector

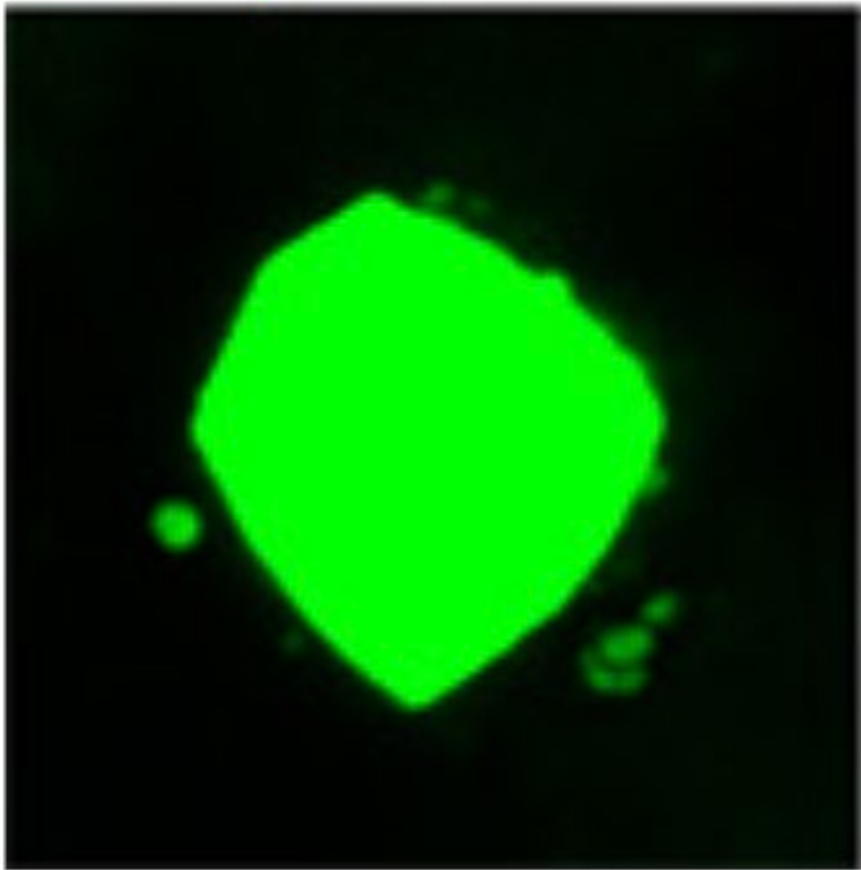
AI

EPS

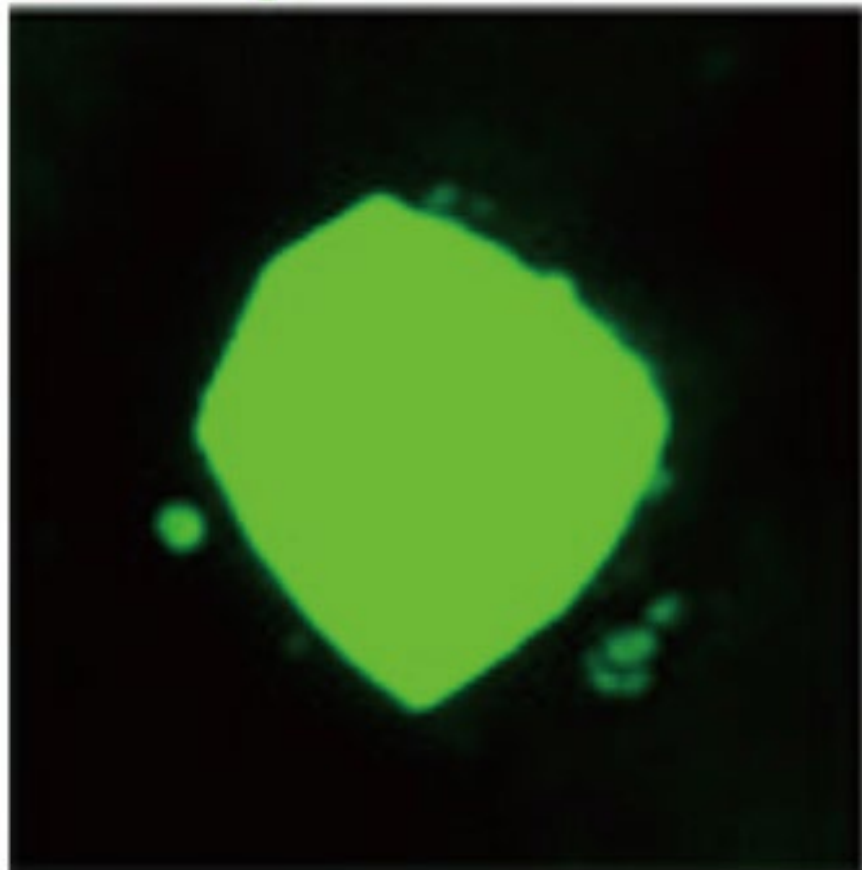
EMF

WMF

...

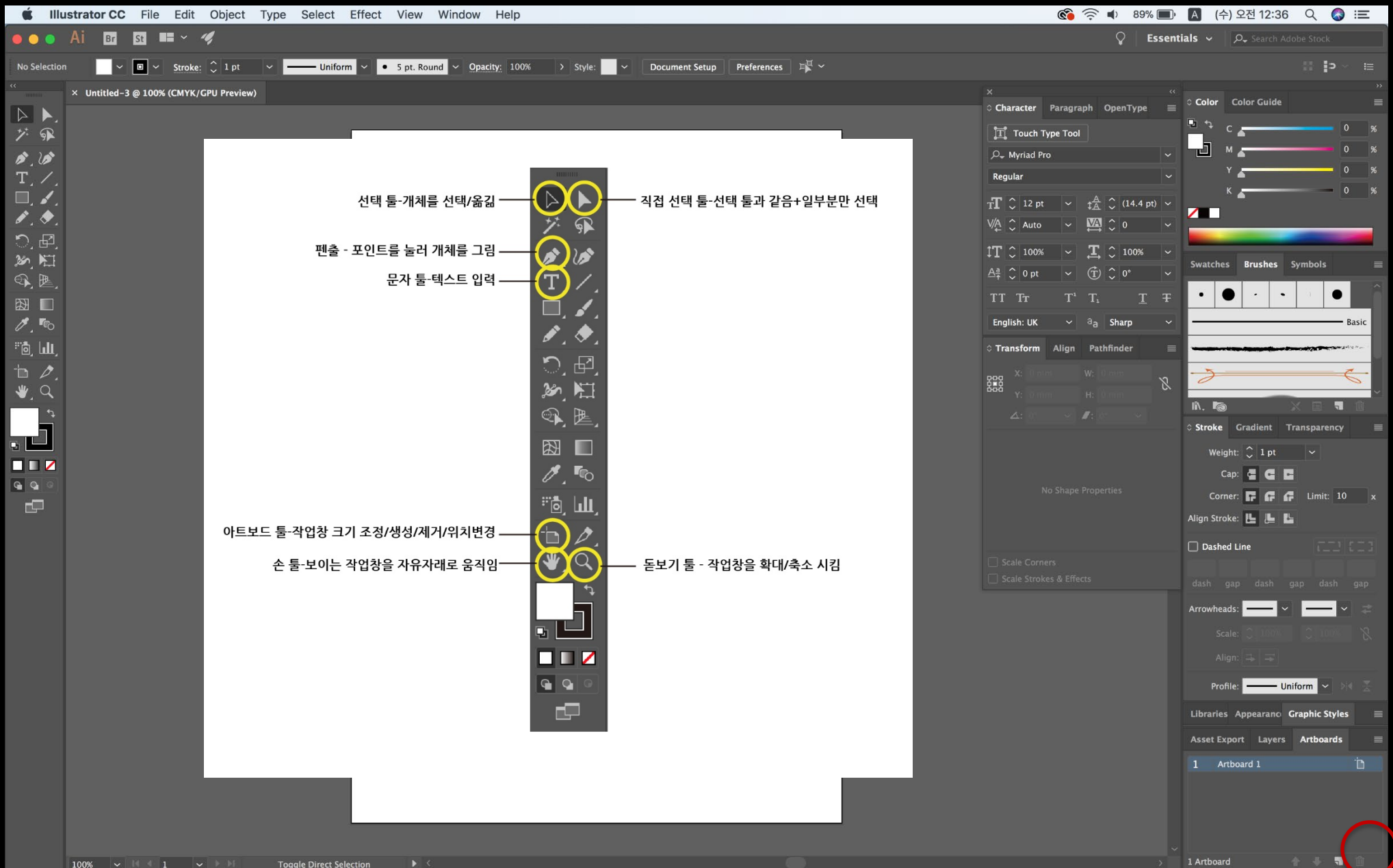


**RGB**



**CMYK**

# 꼭 필요한 Illustrator 메뉴 확인



# Window 단축키

control + c 복사

control + v 붙여넣기

control + z 실행 취소

control + x 잘라내기

control + f 앞으로 가져오기

control + b 뒤로 보내기

control + 2 고정하기

control + alt + 2 고정해제

control + 3 감추기

control + alt + 3 나타내기

control + G 그룹하기

control + shift + G 그룹풀기

# Mac 단축키

command + c 복사

command + v 붙여넣기

command + z 실행 취소

command + x 잘라내기

command + f 앞으로 가져오기

command + b 뒤로 보내기

command + 2 고정하기

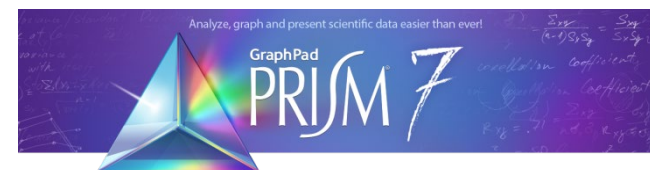
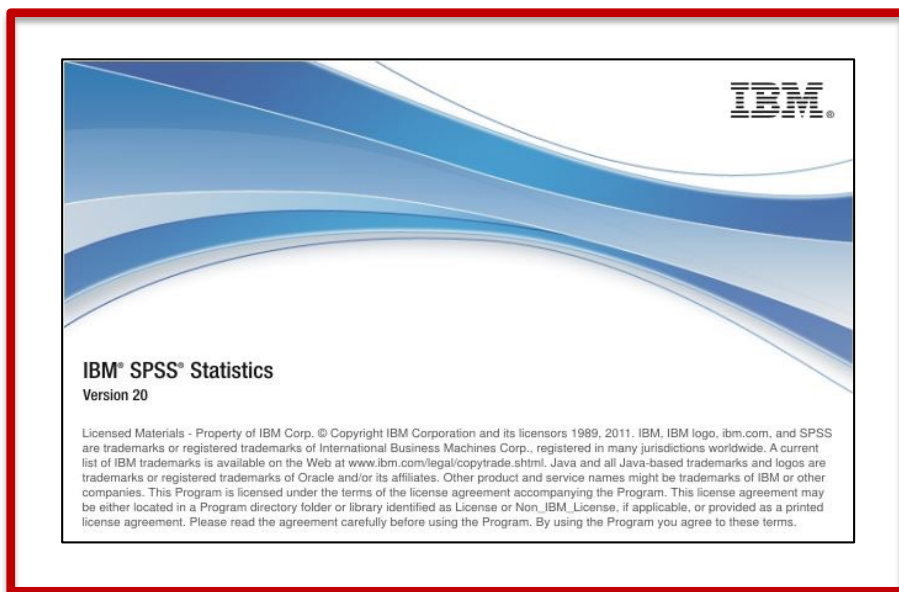
command + alt + 2 고정해제

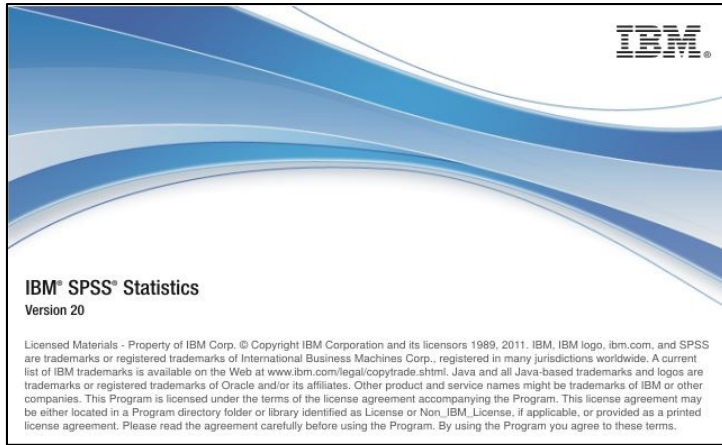
command + 3 감추기

command + alt + 3 나타내기

command + G 그룹하기

command + shift + G 그룹풀기





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spv ➡ 도표편집기 ➡ eps ➡ Ai ➡ Tiff & eps



# SPSS 그래프 추출하는 방법

\*K19 tissue.spv [문서1] - IBM SPSS Statistics Viewer

파일(F) 편집(E) 보기(V) 데이터(D) 변환(T) 삽입(I) 형식(O) 분석(A) 다이렉트 마케팅(M) 그래프(G) 유틸리티(U) 창(W) 도움말(H)

도표 편집기

파일(F) 편집(E) 보기(V) 옵션(O) 요소(M) 도움말(H)

특성

도표 크기 채움 및 경계 범주형 막대 옵션 변수

너비

막대(B) 28 %: 28

군집(U) 100 %: 100

☒ 상자, 종위수 선 및 오차막대 너비 연결(L)

☐ 빈도를 기준으로 한 척도 상자도표 및 오차막대 너비(S)

상자도표 및 오차막대 유형

☐ I형 막대

☐ 수렴도표(W)

☒ 막대(B)

적용(A) 닫기 도움말(H)

Observed Value

AREG

group

K19- K19+

NPAr Tests

/M-W= AREG BY group(1 2)

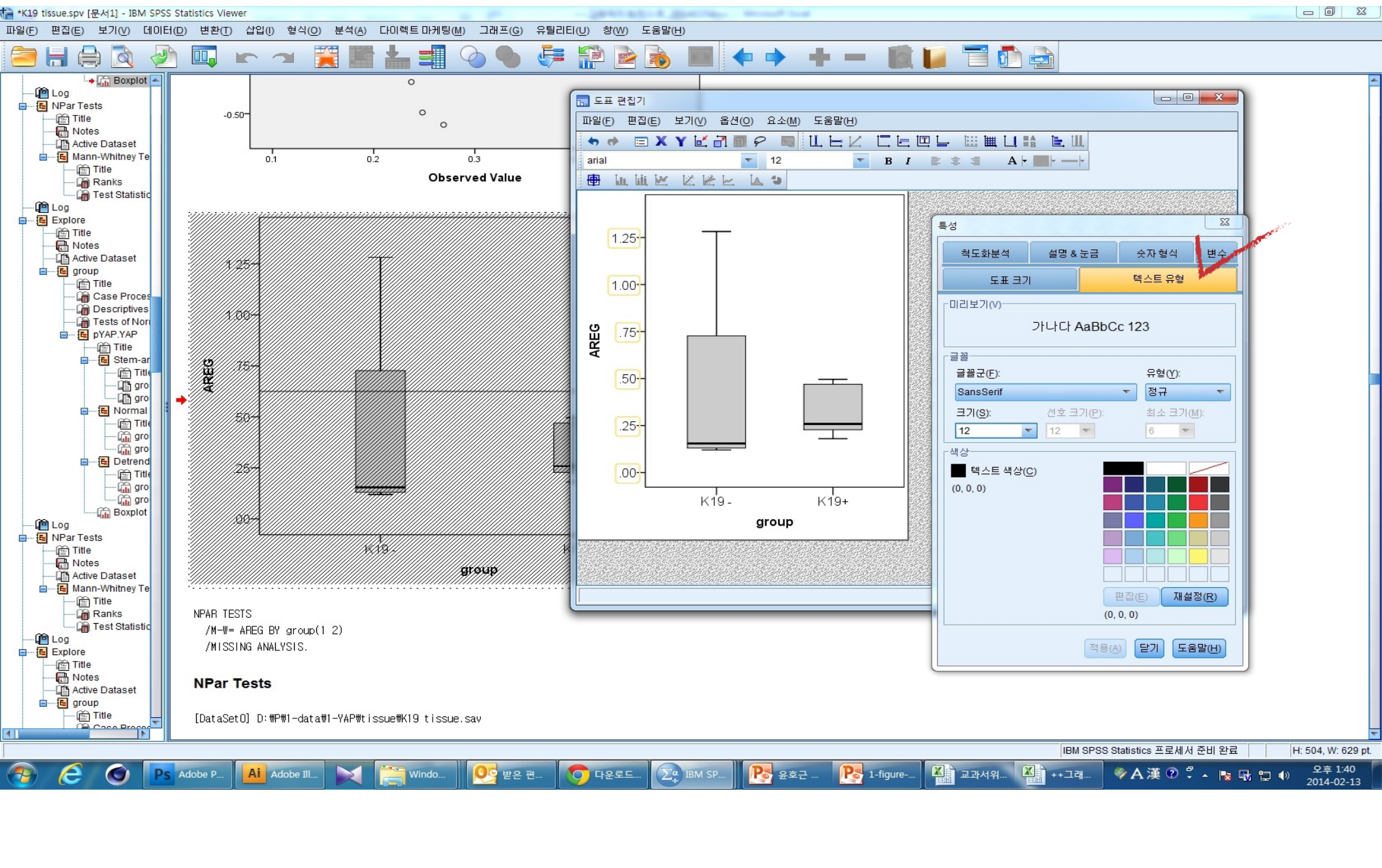
/MISSING ANALYSIS.

NPAr Tests

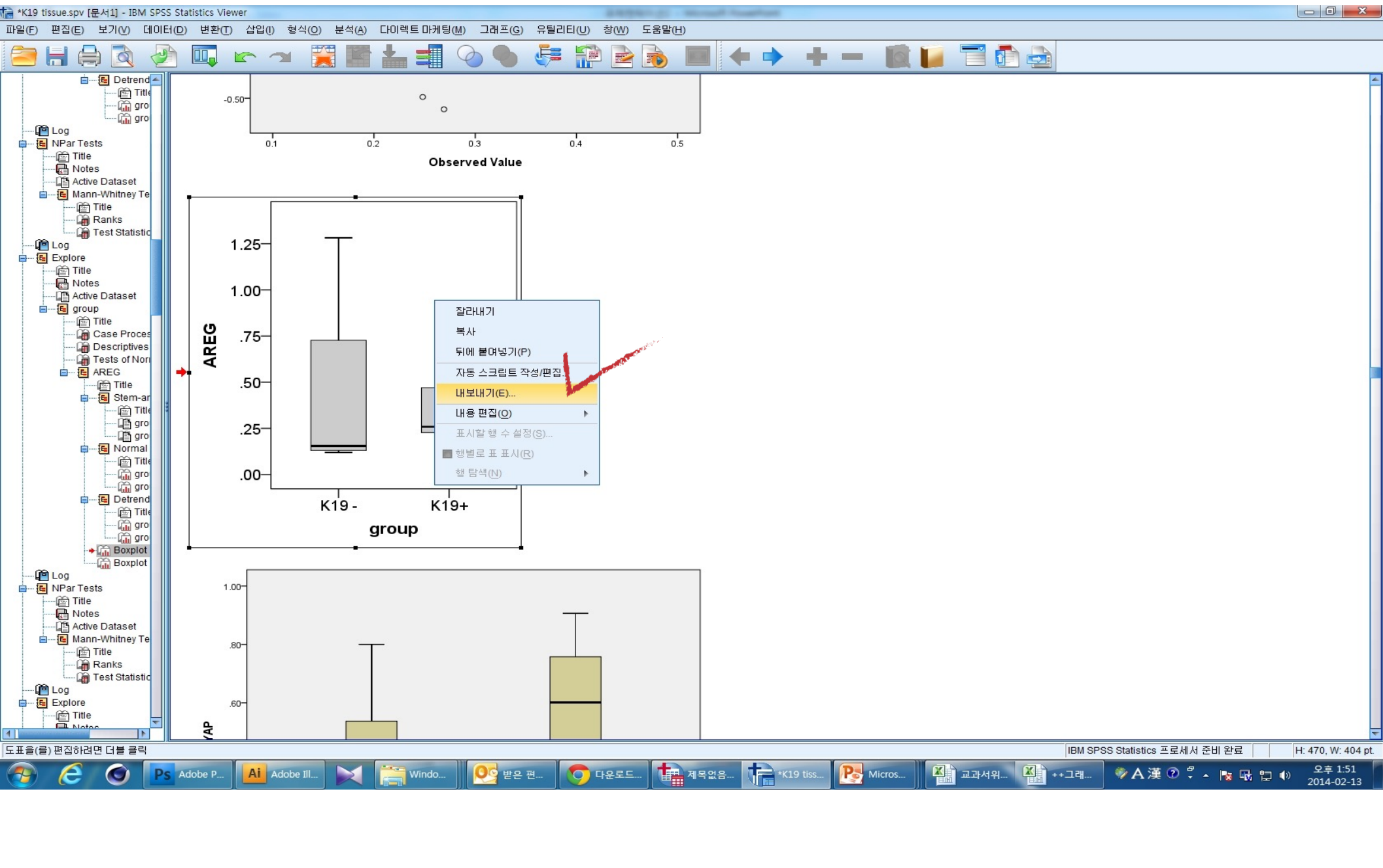
[DataSet0] D:\P\1-data\1-YAP\1-tissue\K19 tissue.sav

IBM SPSS Statistics 프로세서 준비 완료 H: 504, W: 629 pt.

오후 1:39 2014-02-13







\*K19 tissue.spv [문서1] - IBM SPSS Statistics Viewer

파일(F) 편집(E) 보기(V) 데이터(D) 변환(T) 삽입(I) 형식(O) 분석(A) 다이렉트 마케팅(M) 그래프(G) 유틸리티(U) 창(W) 도움말(H)

도표들(를) 편집하려면 더블 클릭

IBM SPSS Statistics 프로세서 준비 완료 | H: 470, W: 404 pt | 오후 1:51 2014-02-13

내보내기 출력결과

내보내기 출력결과

모두(A) ☐ 모두 표시(V) ☐ 선택(D)

문서

유형(T): 없음 (그래픽만) 옵션(O): 모형 보기 인쇄 설정에 유효(각 모형에 대한 ...)

그래픽

유형(Y): 압축화된 포스트스크립트 (\*.eps) 옵션(S): 이미지 크기 유형 현재 크기의 백분율(P) 크기(백분율) 100 TIFF 미리 보기 이미지 포함 아니오

루트 파일 이름(N): F:\연구부파일\그래픽지원\원래리스트\병리학검지수(연구원)\1.eps

확인 불어넣기(P) 재설정(R) 취소 도움말

\*K19 tissue.spv [문서1] - IBM SPSS Statistics Viewer

파일(F) 편집(E) 보기(V) 데이터(D) 변환(T) 삽입(I) 형식(O) 분석(A) 다이렉트 마케팅(M) 그래프(G) 유틸리티(U) 창(W) 도움말(H)

내보내기 출력결과

내보낼 개체  
☒ 모두(A) ☐ 모두 표시(V) ☐ 선택(D)

문서  
유형(T): 없음 (그래픽만) 옵션(O): 모형 보기 인쇄 설정에 유효(각 모형에 대한 ...)

그래픽 개체만 내보내집니다. 여러 그래픽 파일 형식을 사용할 수 있습니다.

파일 저장

찾아보기(I): 김지수(연구원)

1차  
2차  
11.eps

파일 이름(N): 저장  
저장 유형: 캡슐화된 포스트스크립트 (\*.eps) 취소

옵션 변경(H)...

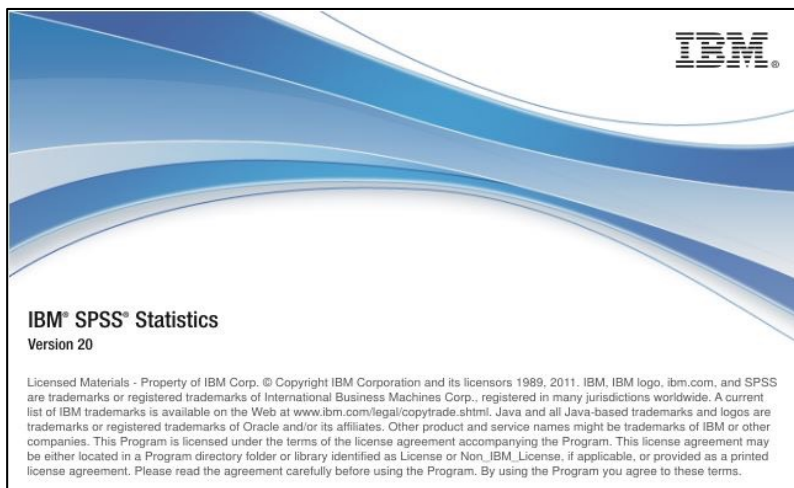
루트 파일 이름(N): F:\연구부파일\그래픽지원\일러스트\병리학\김지수(연구원)\1.eps 찾아보기(W)...

확인 불여넣기(P) 재설정(R) 취소 도움말

도표들(를) 편집하려면 더블 클릭

IBM SPSS Statistics 프로세서 준비 완료 | H: 470, W: 404 pt. | 오후 1:51 2014-02-13

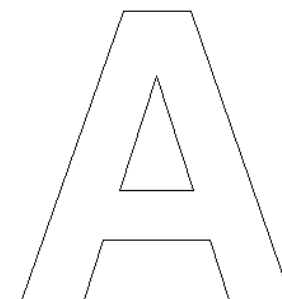
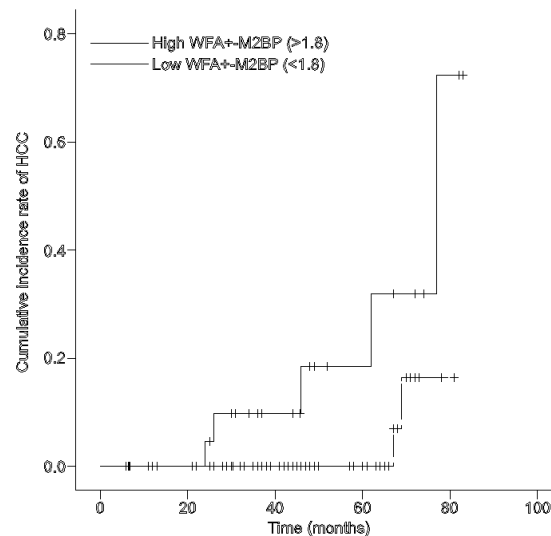
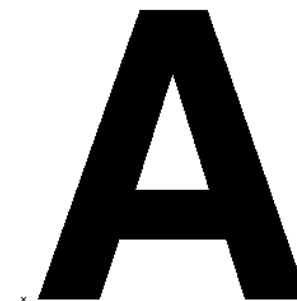
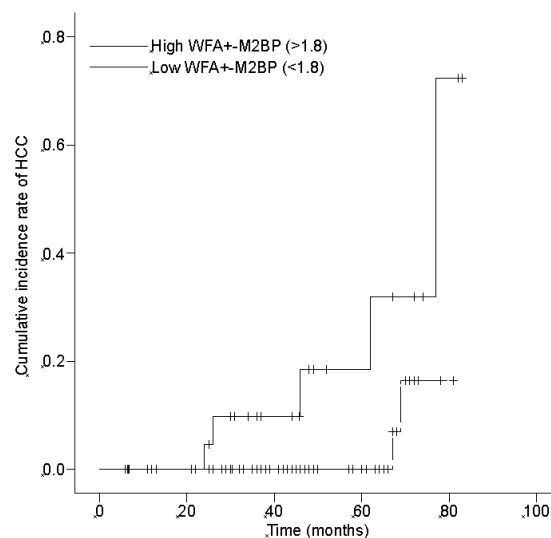
eps



Version 19



Version 20



# R 그래프 추출하는 방법



RGui (64-bit)

파일 작업기록 크기변경 윈도우즈



R Console

```
R version 3.4.4 (2018-03-15) -- "Someone to Lean On"  
Copyright (C) 2018 The R Foundation for Statistical Computing  
Platform: x86_64-w64-mingw32/x64 (64-bit)
```

R은 자유 소프트웨어이며, 어떠한 형태의 보증없이 배포됩니다.  
또한, 일정한 조건하에 이것을 재배포할 수 있습니다.  
배포와 관련된 상세한 내용은 'license()' 또는 'licence()'를 동작시켜 보실 수 있습니다.

R은 많은 기여자들이 참여하는 공동 프로젝트입니다.  
'contributors()'라고 입력하시면 이에 대한 더 많은  
그리고, R 또는 R 패키지들을 출판물에 인용하는 방법

'demo()'를 입력하신다면, 몇가지 데모를 보실 수 있습니다.  
또한, 'demo.start()'의 입력을 통하여, R의 데모를  
R의 종료시점에서 'q()'를 입력해 주시면

[이전] 저장한 작업공간을 복구하였습니까?

```
> plot(cars)  
> |
```

R Graphics: Device 2 (ACTIVE)

120  
100

- 메타파일(metafile) 형식으로 복사
- 비트맵(bitmap) 형식으로 복사
- 메타파일(metafile) 형식으로 저장...
- 포스트스크립트(postscript) 형식으로 저장...
- 맨 위에 있도록 합니다
- 인쇄하기... Ctrl+P

메타파일(metafile) 형식으로 복사  
비트맵(bitmap) 형식으로 복사

메타파일(metafile) 형식으로 저장...  
포스트스크립트(postscript) 형식으로 저장...

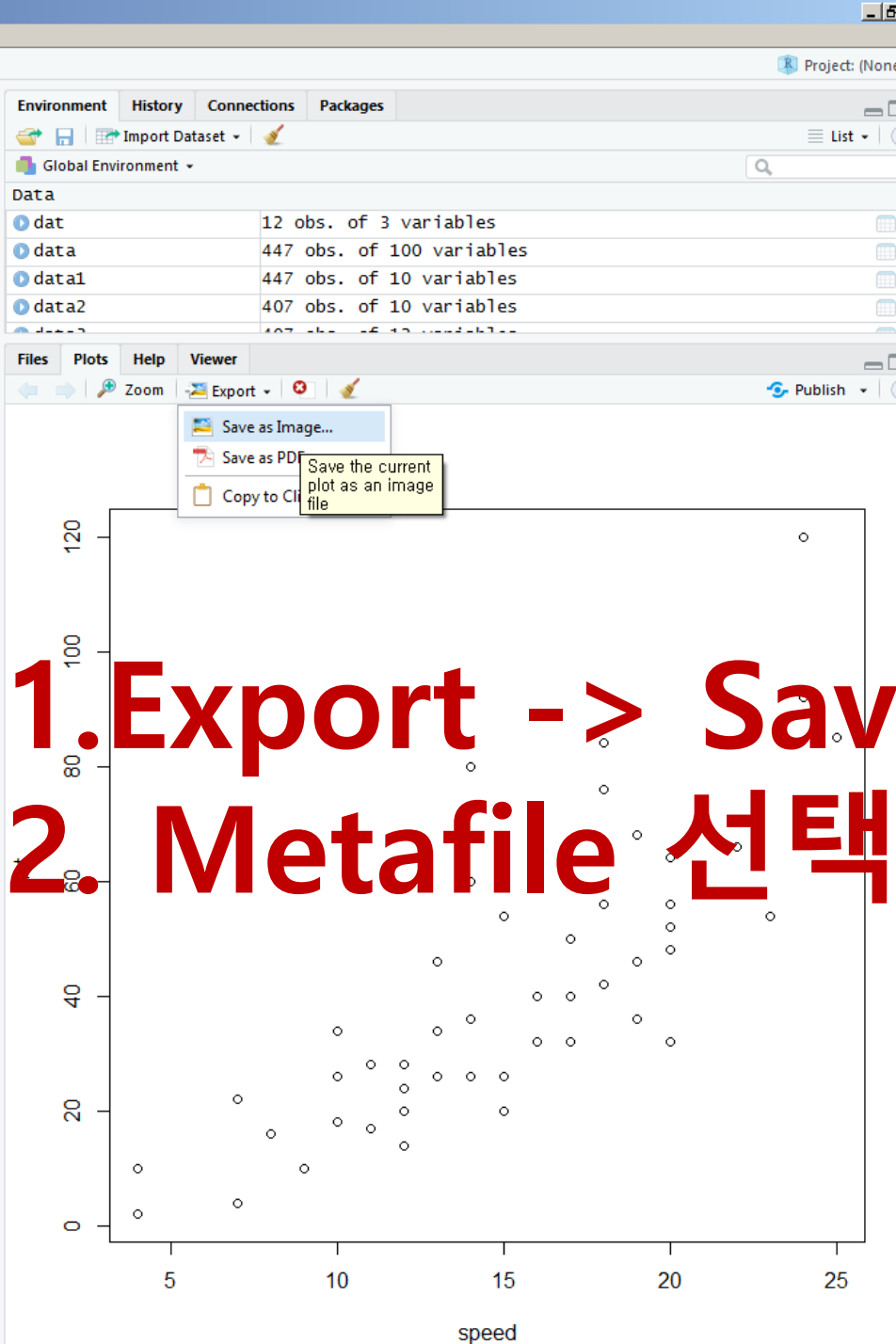
맨 위에 있도록 합니다

인쇄하기... Ctrl+P

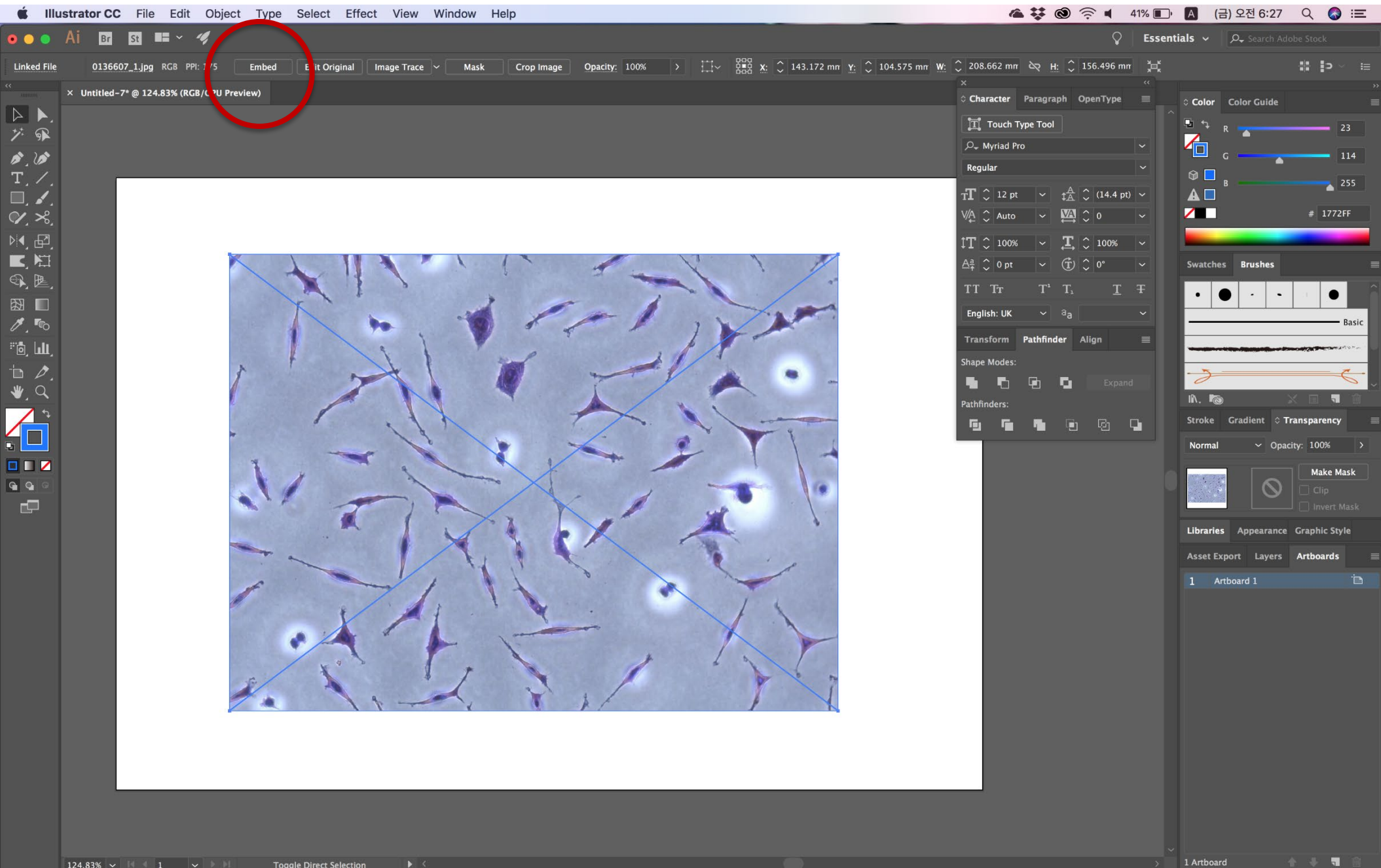
5 10 15 20 25

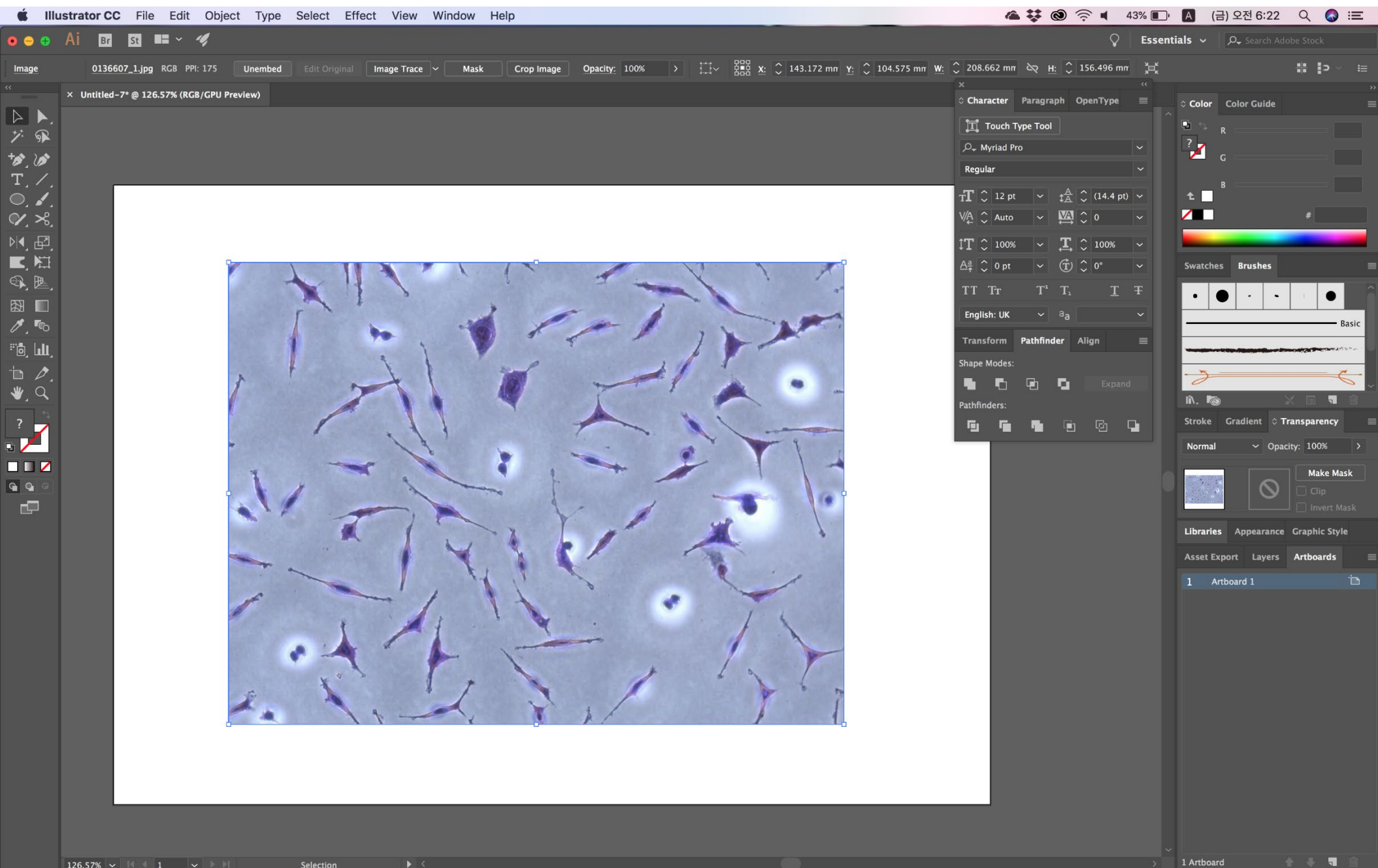
speed

1. Export -> Save as Image  
2. Metafile 선택!



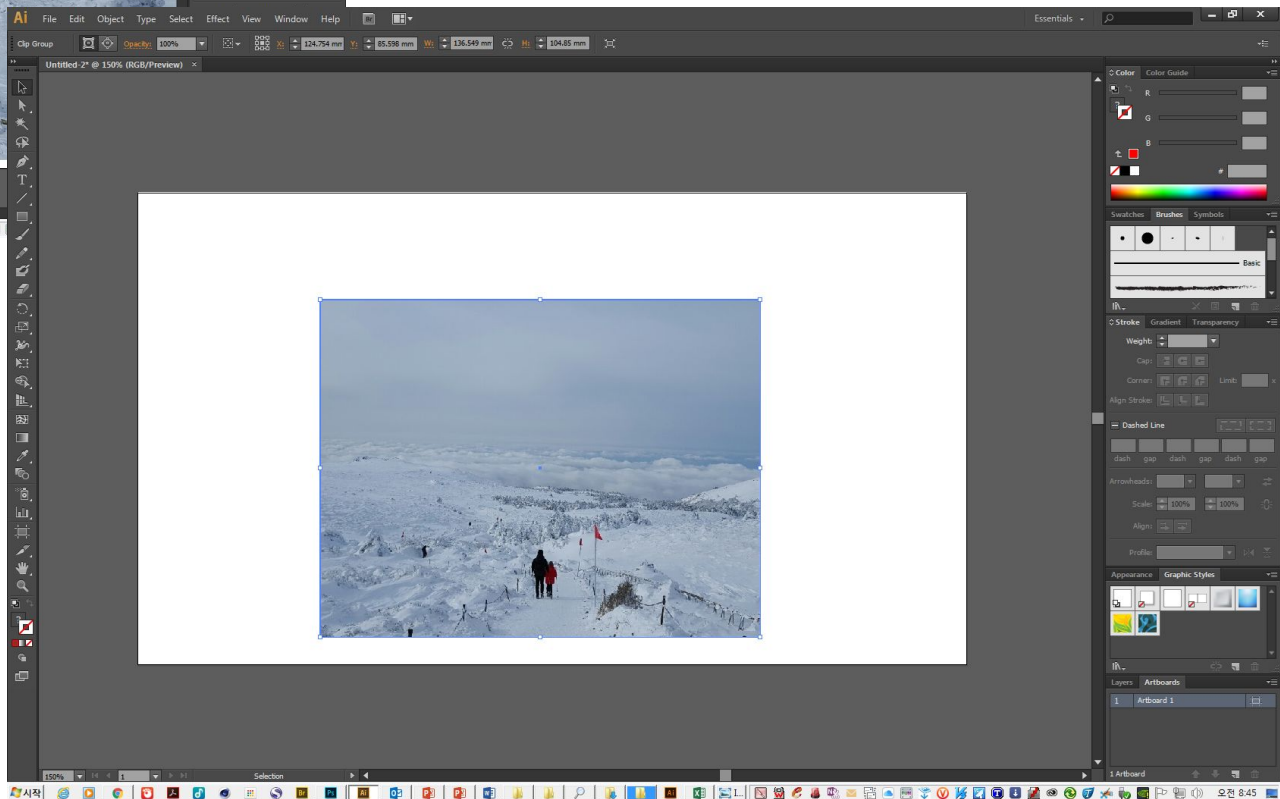
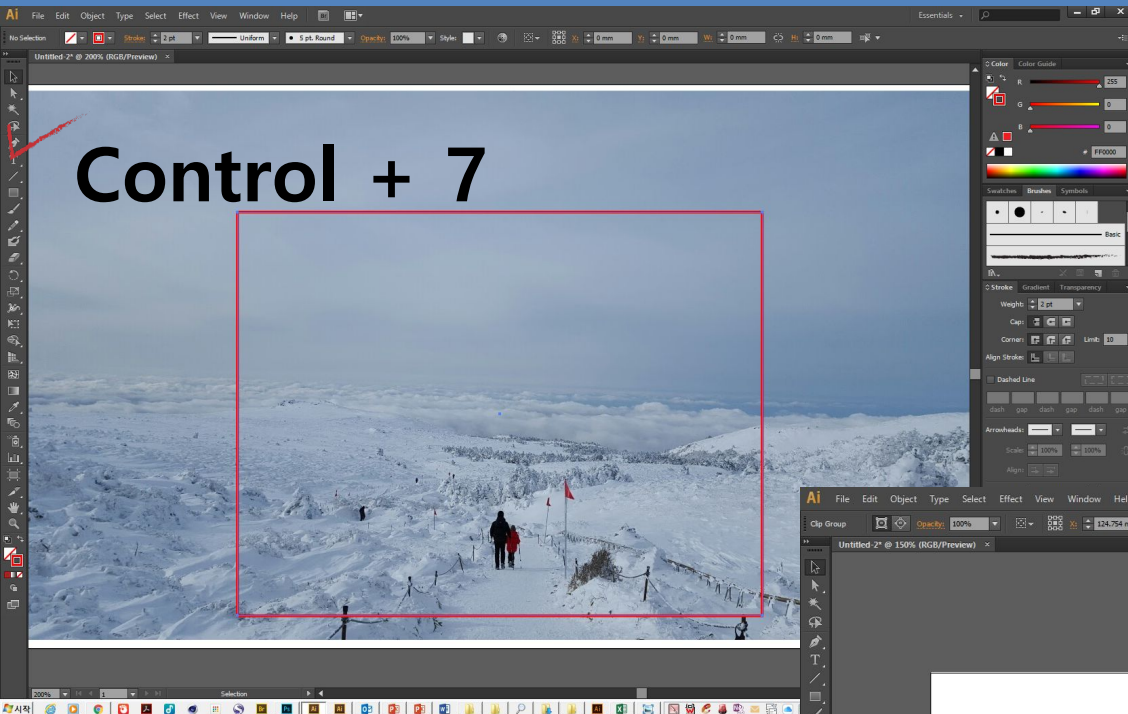








# Clipping Mask 기능 및 Align



File Edit Object Type Select Effect View Window Help

No Selection 1 pt

Untitled-3 @ 100% (RGB/Preview)

- New Window
- Arrange
- Workspace
- Extensions
- ✓ Control
- ✓ Tools
- Actions
- Align** Shift+F7
- Appearance Shift+F6
- Artboards
- Attributes Ctrl+F11
- ✓ Brushes F5
- ✓ Color F6
- Color Guide Shift+F3
- Document Info
- Flattener Preview
- Gradient Ctrl+F9
- ✓ Graphic Styles Shift+F5
- Image Trace
- Info Ctrl+F8
- ✓ Layers F7
- Links
- Magic Wand
- Navigator
- Pathfinder Shift+Ctrl+F9
- Pattern Options
- Separations Preview
- Stroke Ctrl+F10
- SVG Interactivity
- Swatches
- Symbols Shift+Ctrl+F11
- ✓ Transform Shift+F8
- Transparency Shift+Ctrl+F10
- Type
- Variables
- Brush Libraries
- Graphic Style Libraries
- Swatch Libraries
- Symbol Libraries
- ✓ Untitled-3 @ 100% (RGB/Preview)

Transform ◇ Align Pathfinder

**Align Objects:**

**Distribute Objects:**

**Distribute Spacing:** 0 mm

**Align To:**

Color Color Guide

R 35  
G 31  
B 32  
# 231F20

Transform Swatches Symbols

X: 0 in W: 0 in  
Y: 0 in H: 0 in  
Δ: 0° ∠: 0°

Stroke Brushes Gradient Transpare

Basic

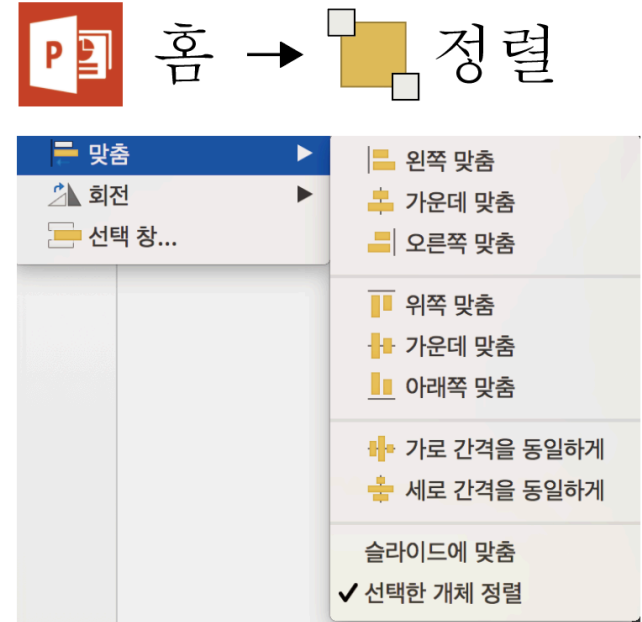
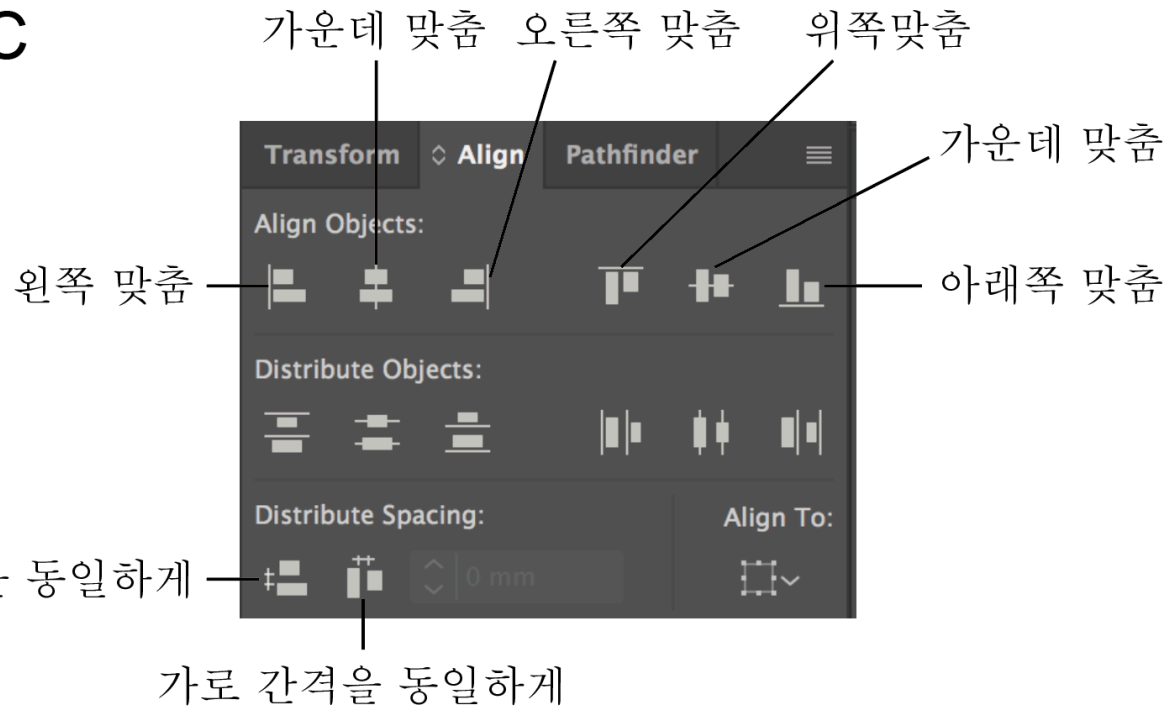
6.00

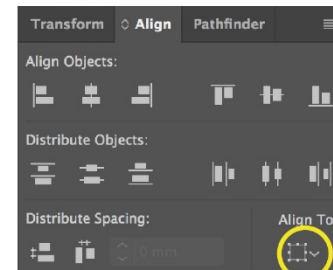
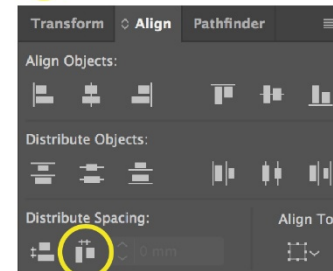
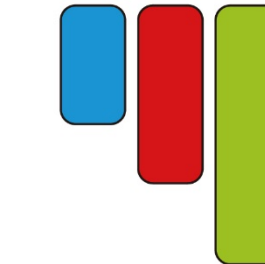
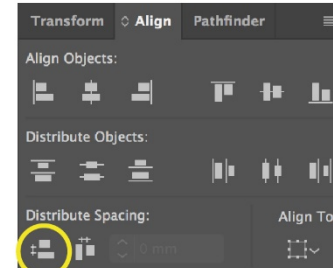
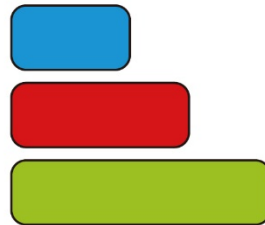
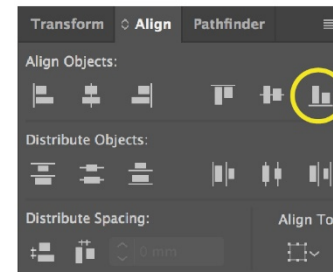
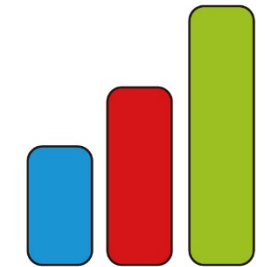
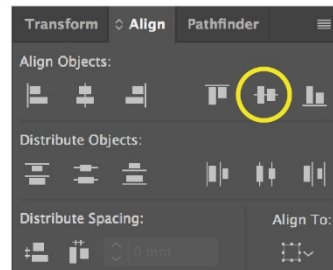
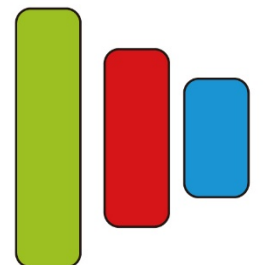
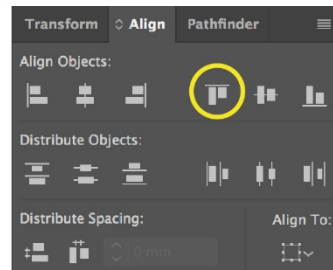
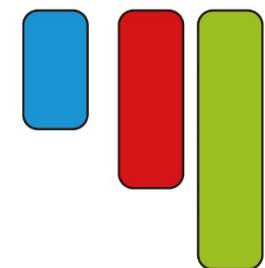
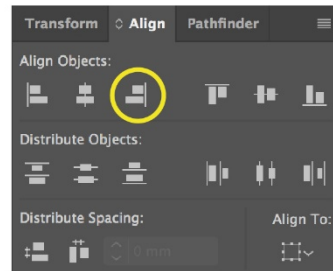
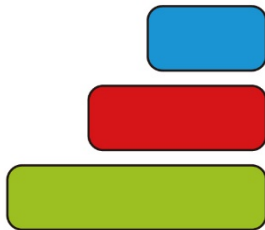
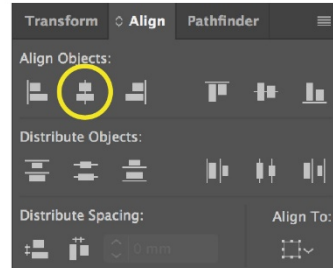
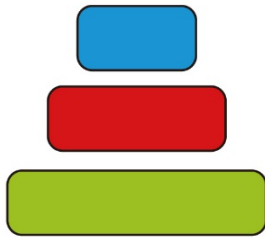
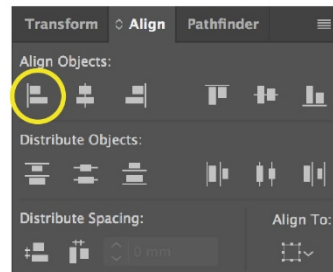
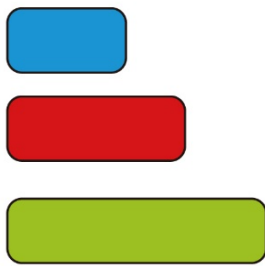
Appearance Graphic Styles

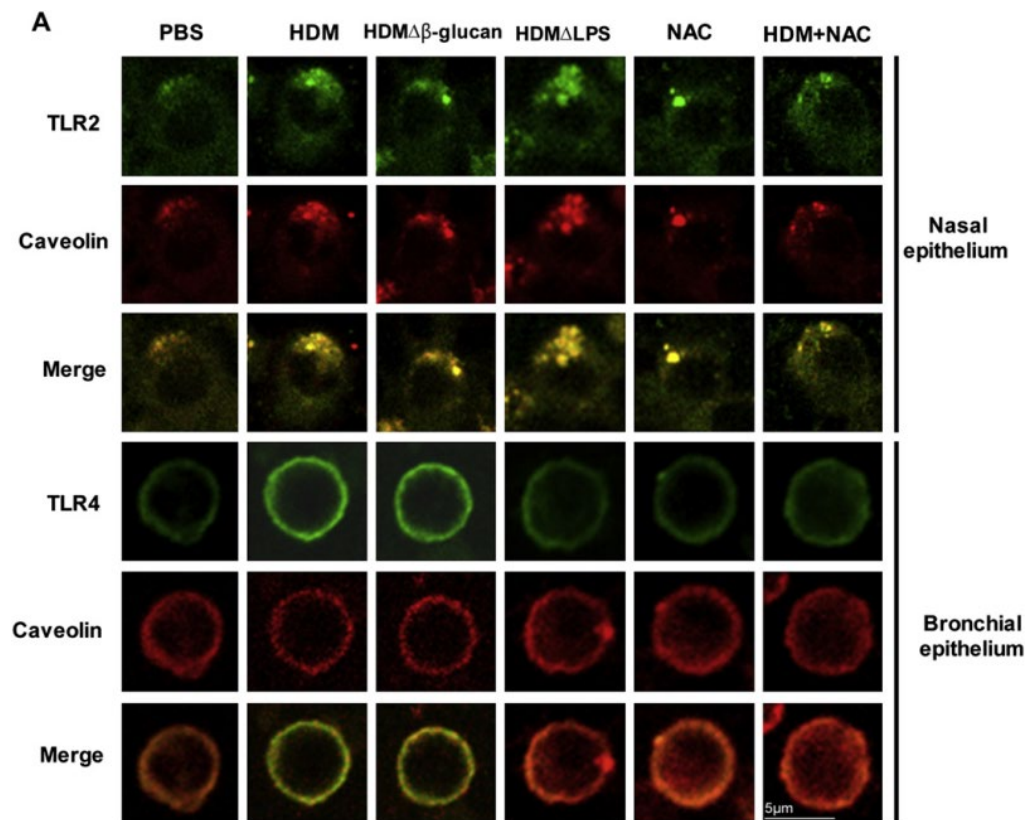
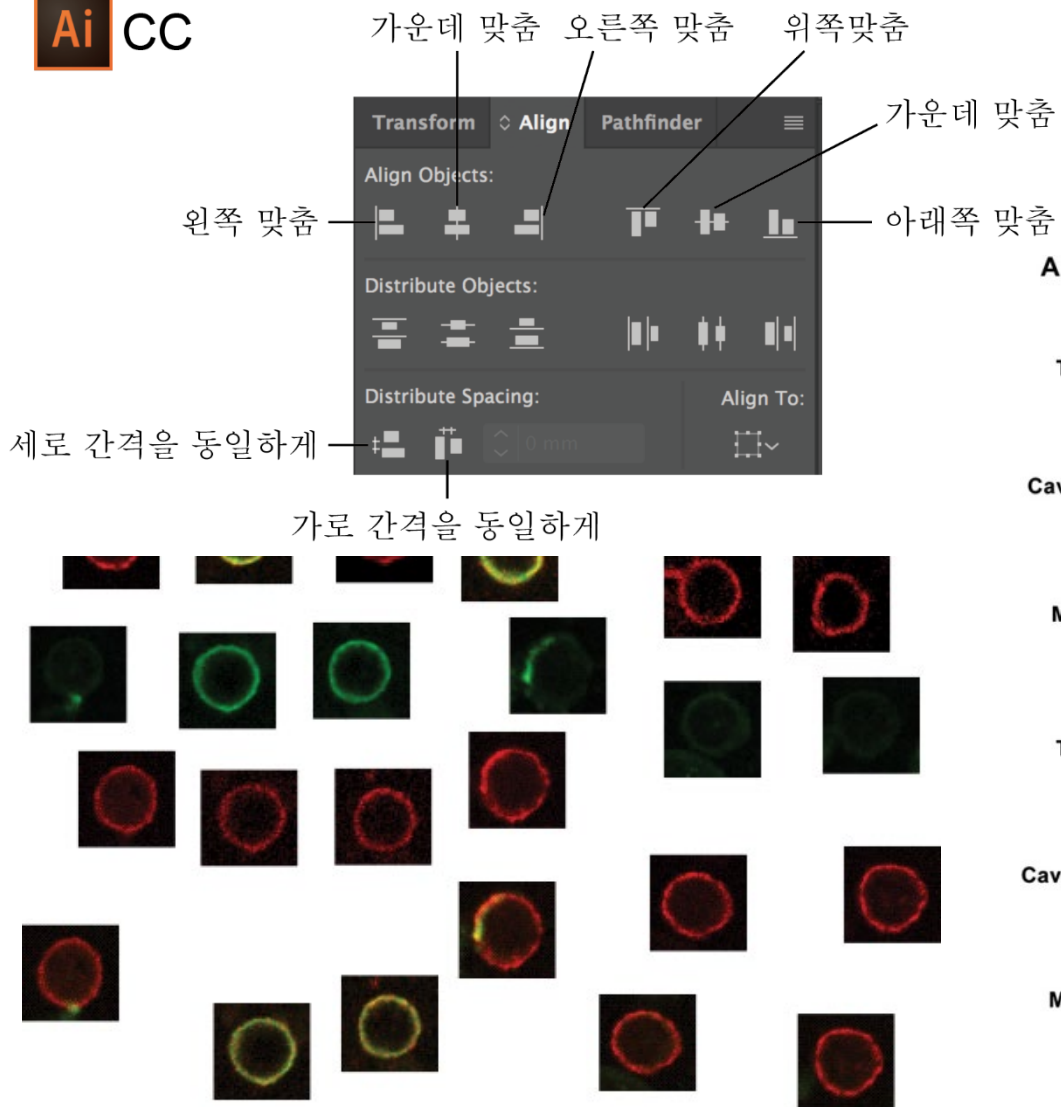
Layers Artboards

Layer 1

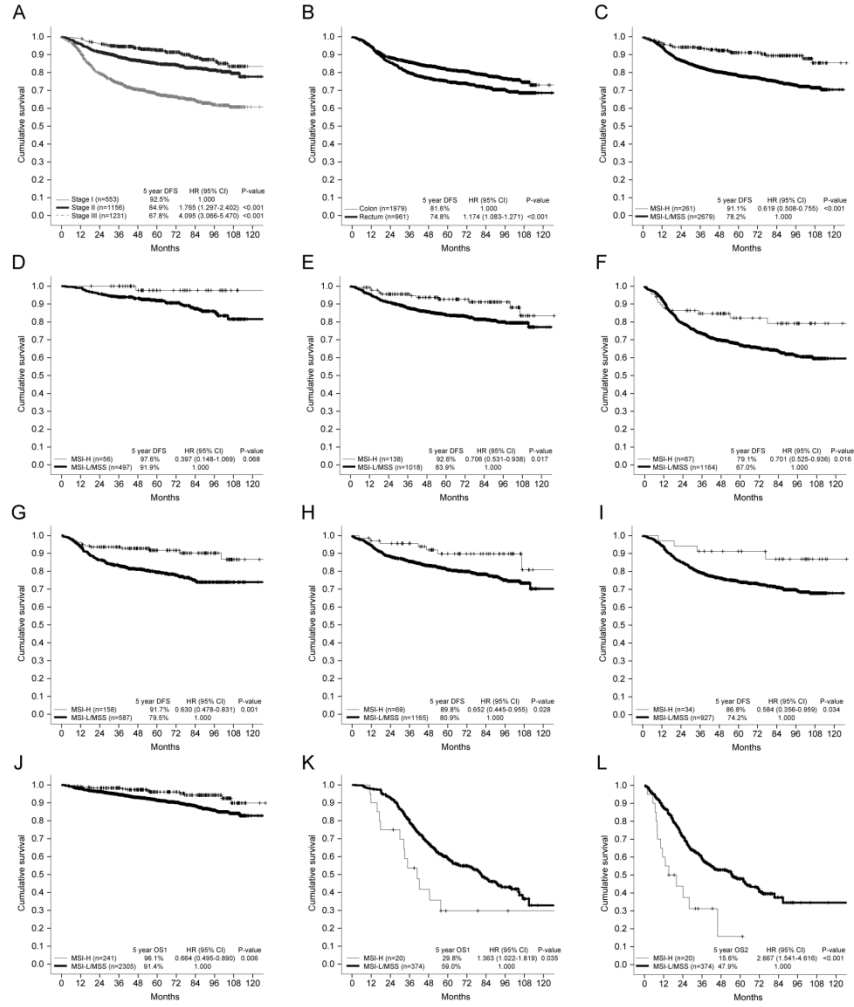
1 Layer



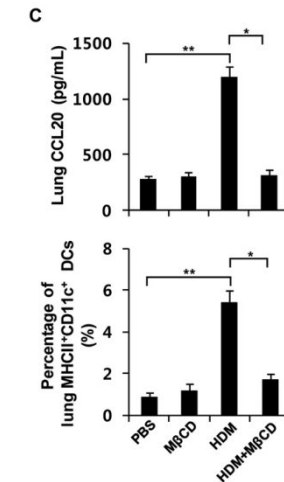
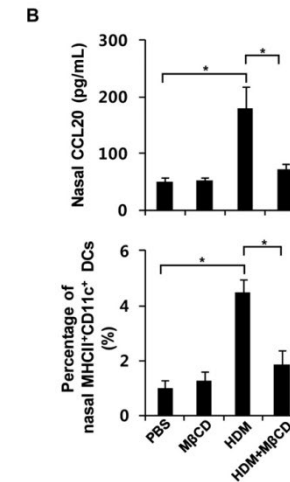
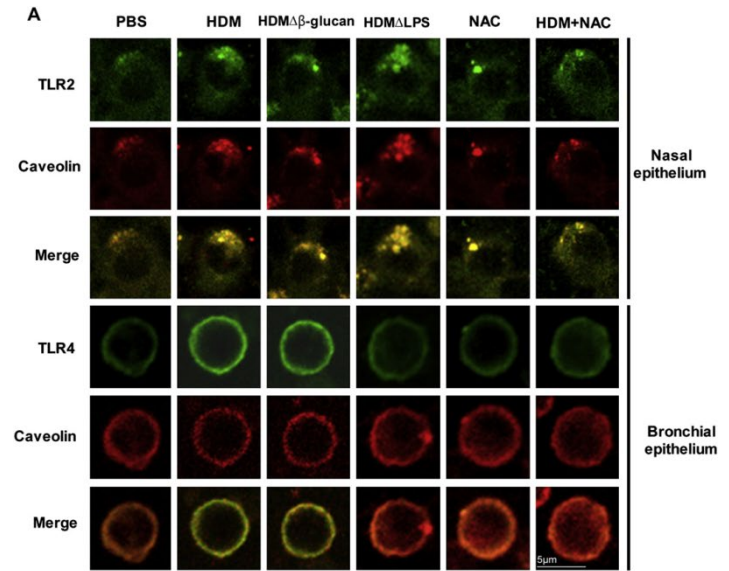




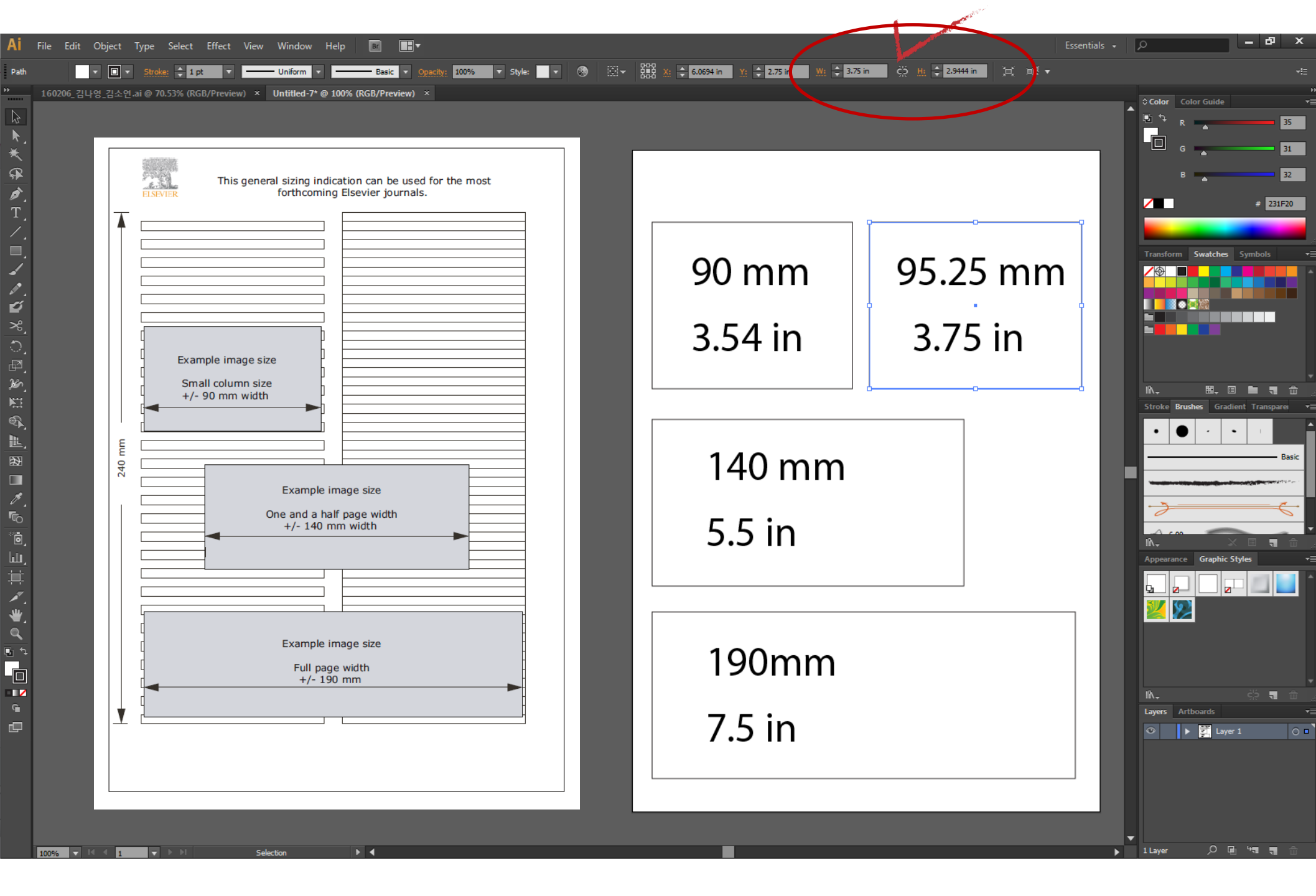
## A Type



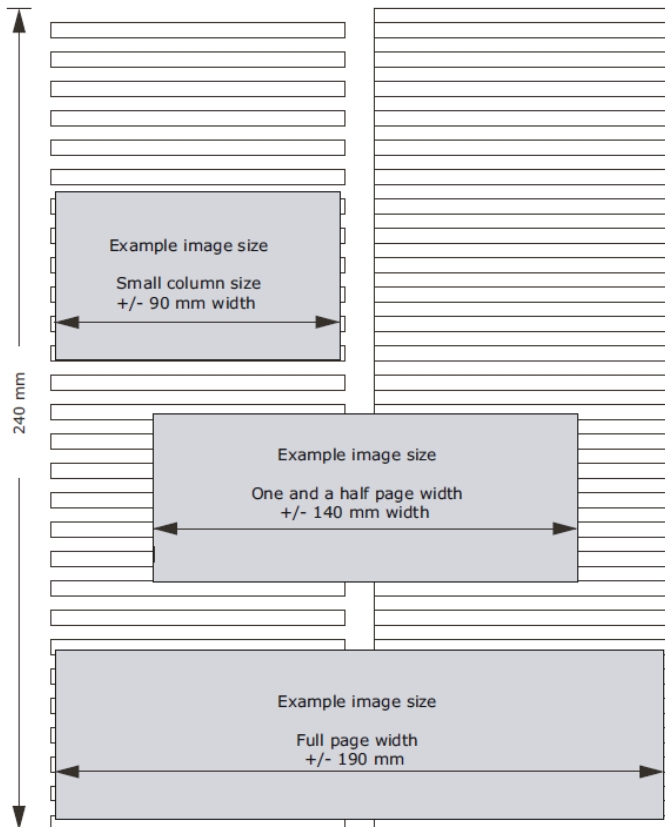
## B Type







This general sizing indication can be used for the most forthcoming Elsevier journals.



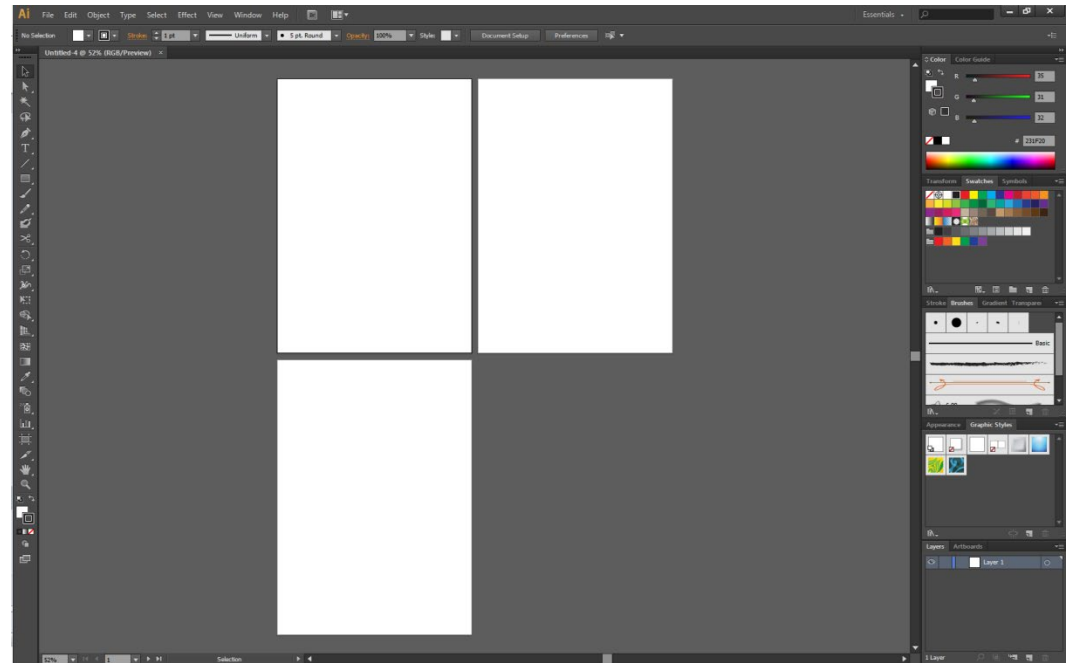
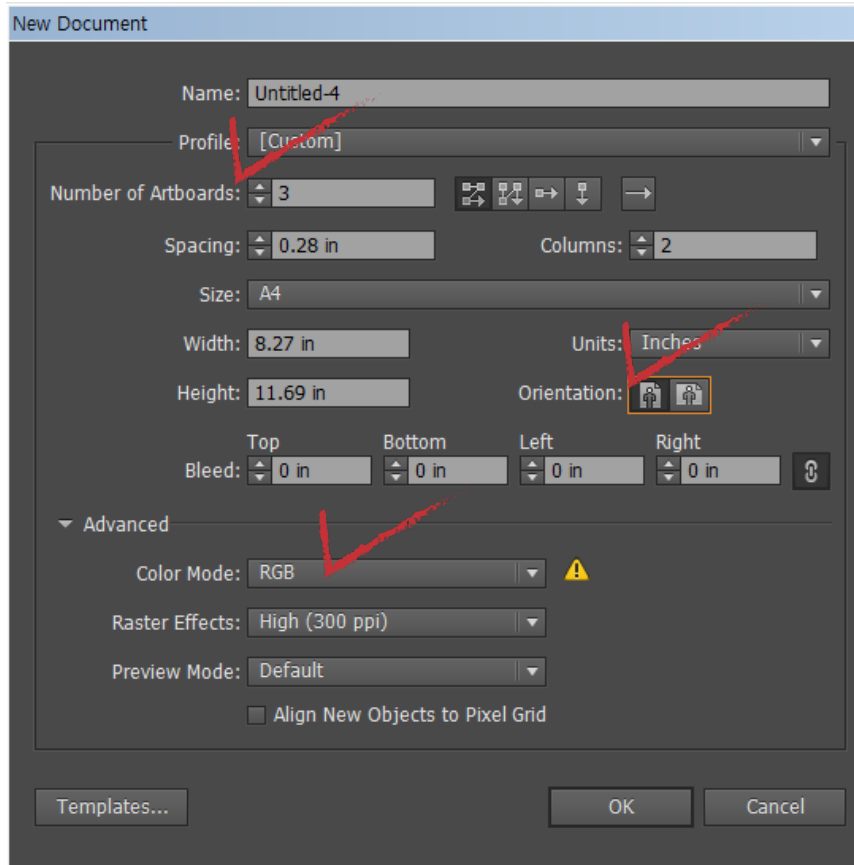
90 mm  
3.54 in

95.25 mm  
3.75 in

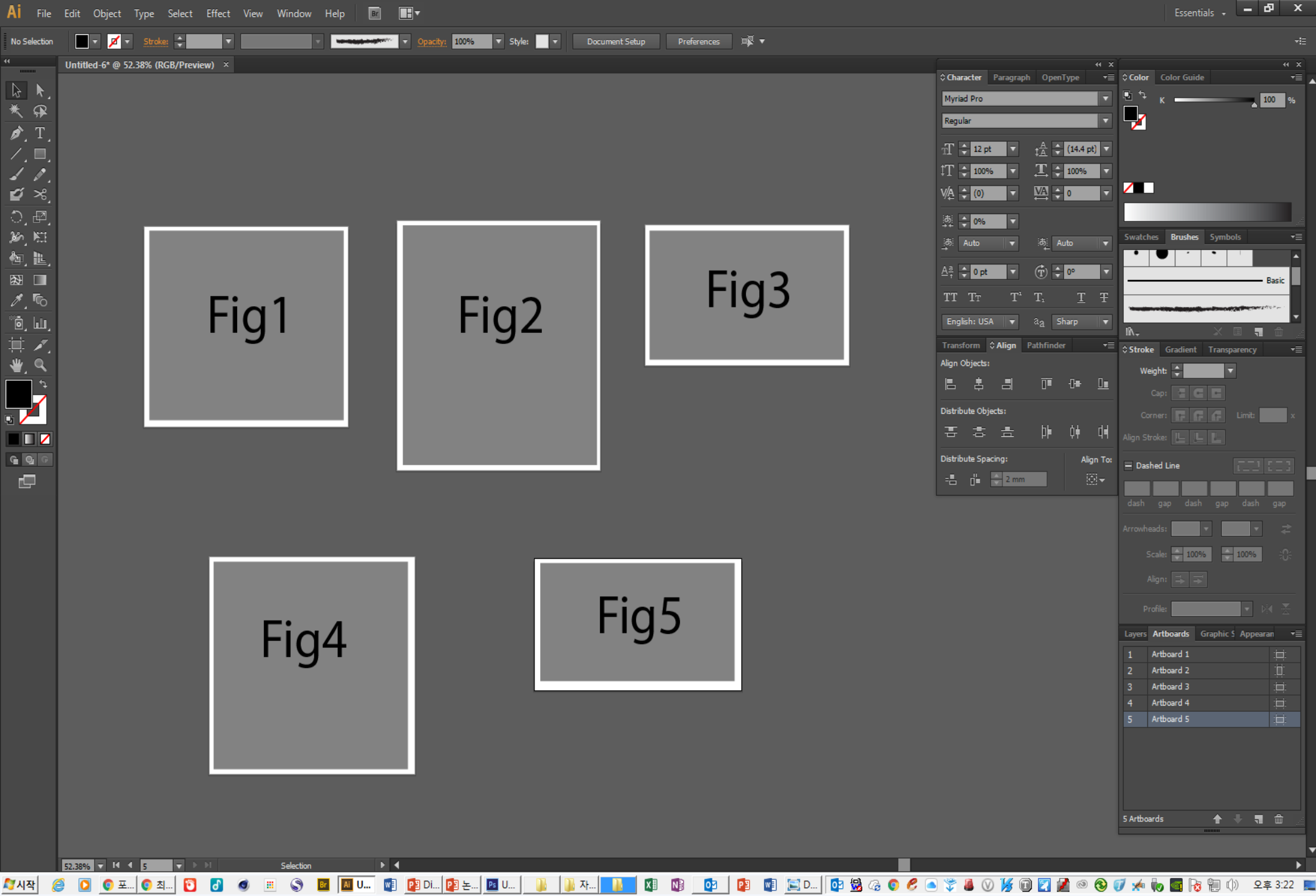
140 mm  
5.5 in

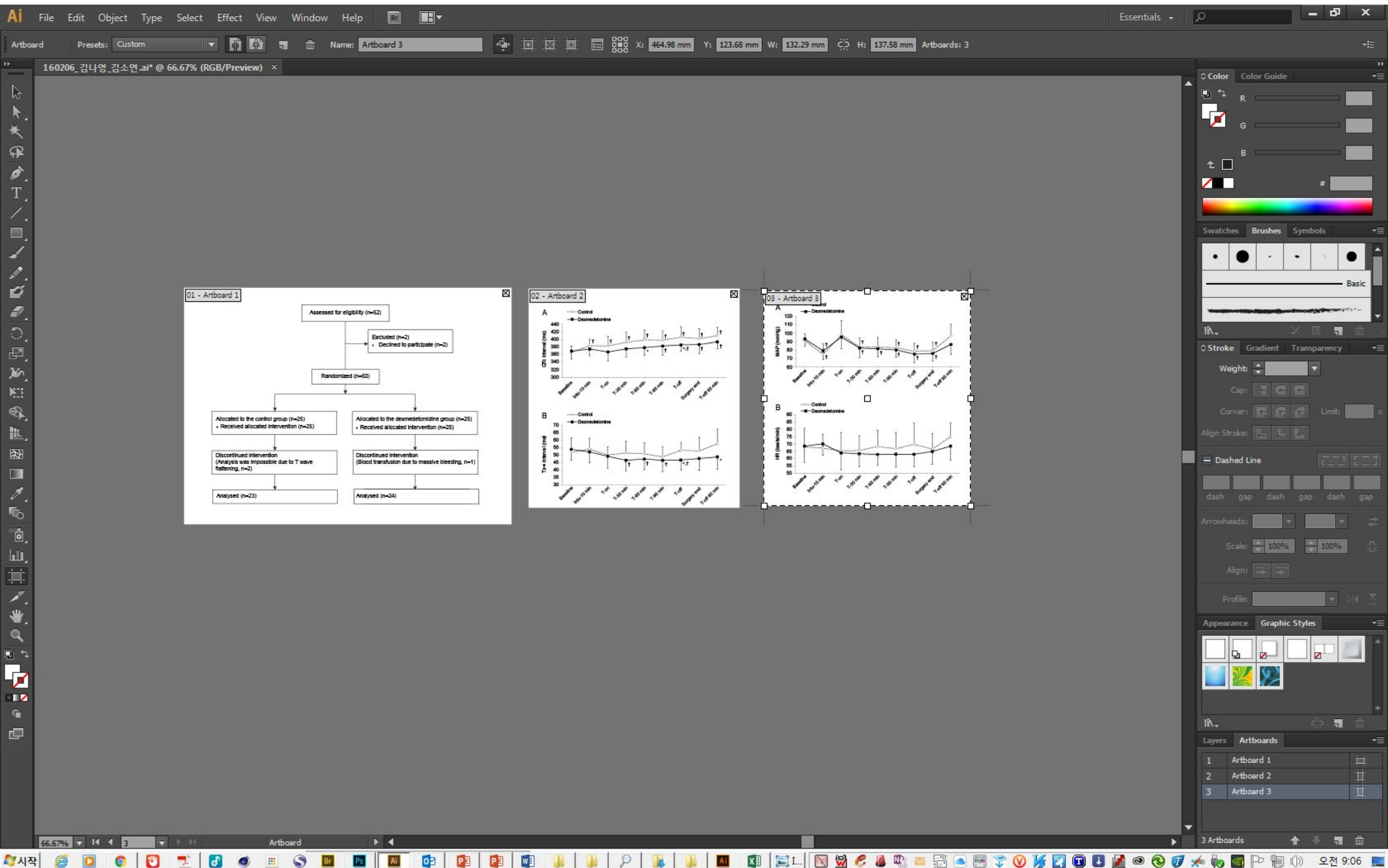
190mm  
7.5 in

# Figure 크기와 논문형식에 맞춰 Artboards 크기조절

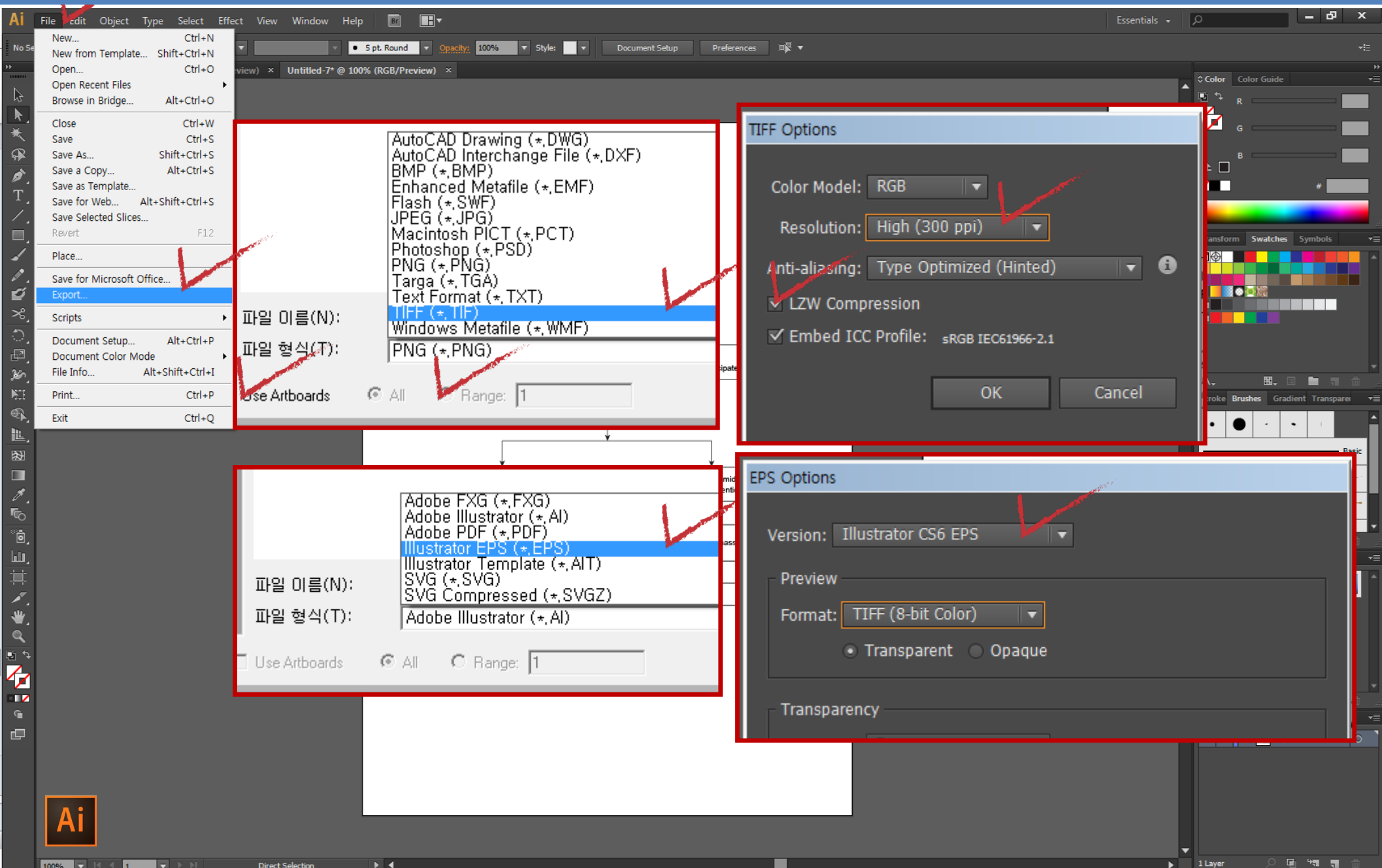


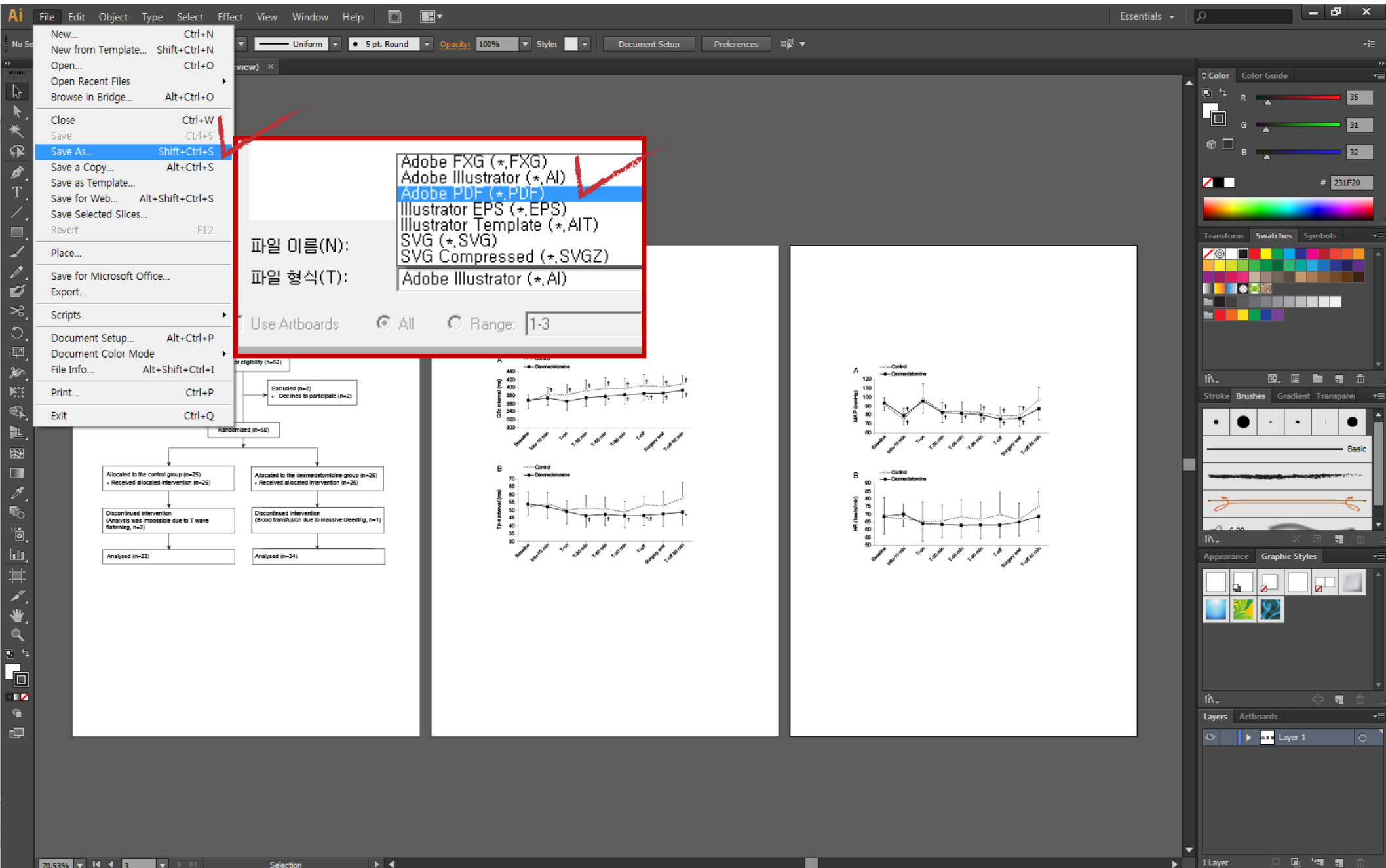






# Tiff, eps 또는 PDF 변환









PPT → PSD  → Tiff

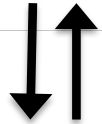
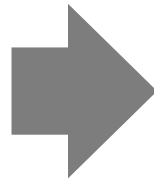


PPT 정리 →   
 → Tiff & eps

Eps, wmf,  
emf, 기타 파일 보관



Adobe Creative Cloud





*Thank you*

Bank Zachodni WBK

