

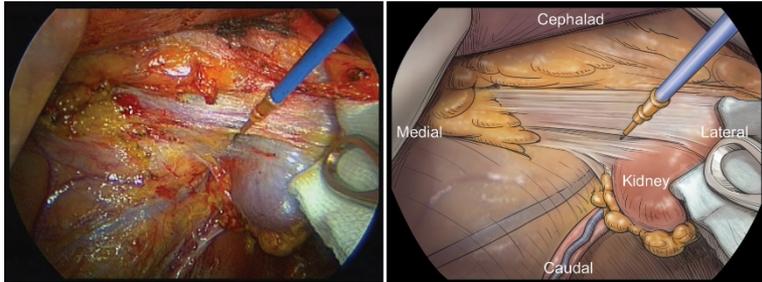
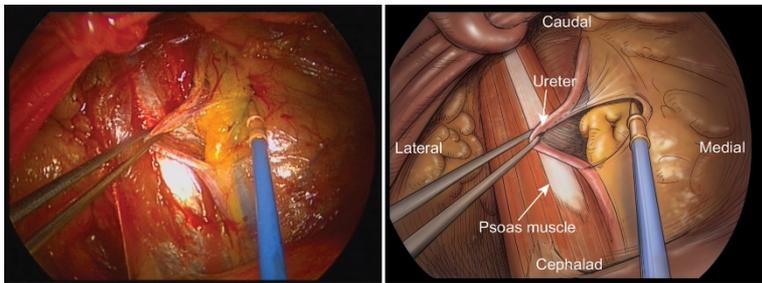
Adobe Illustrator를 활용한 논문 'Figure' 정리 방법

studiomid.com

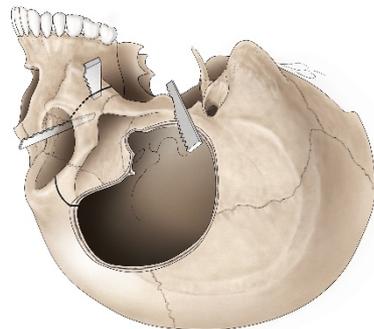
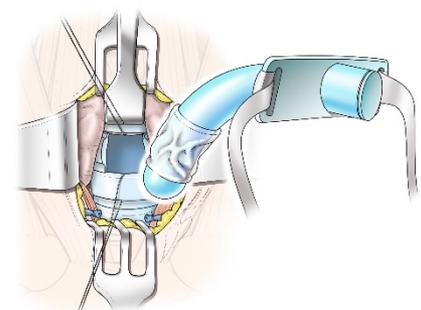
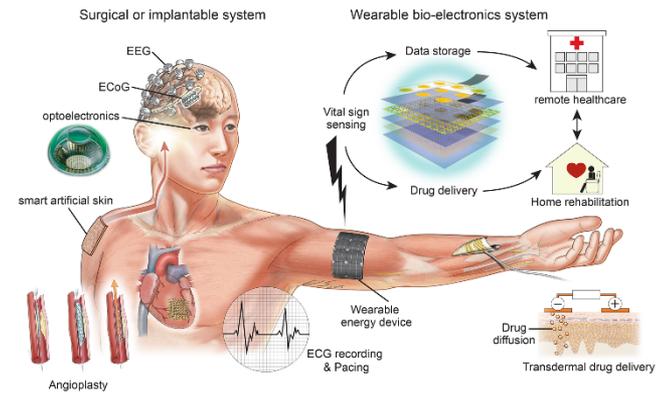
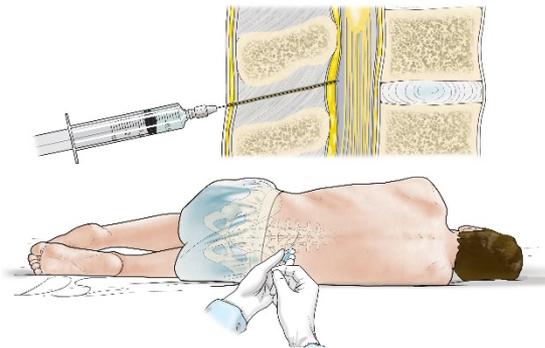
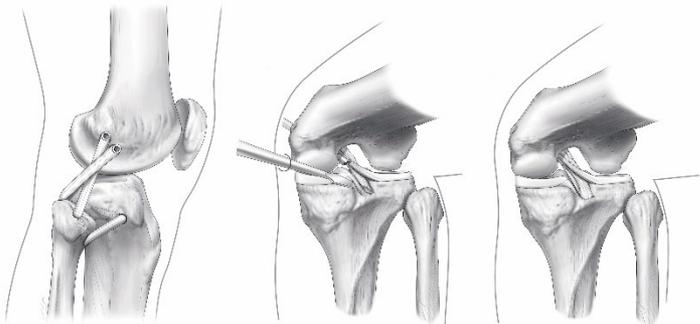
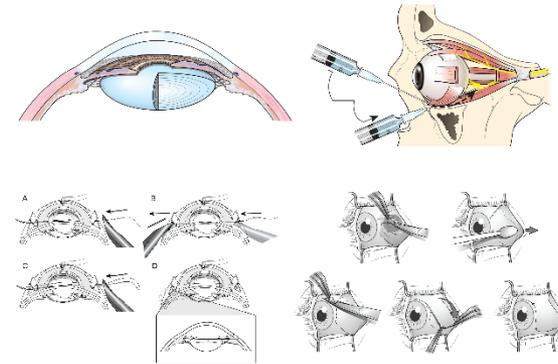
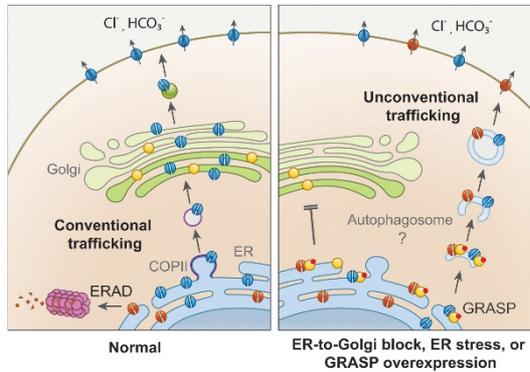


Medical Illustrator

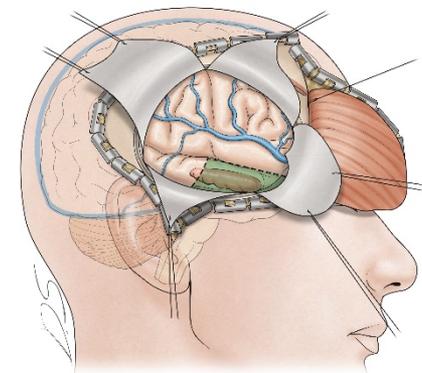
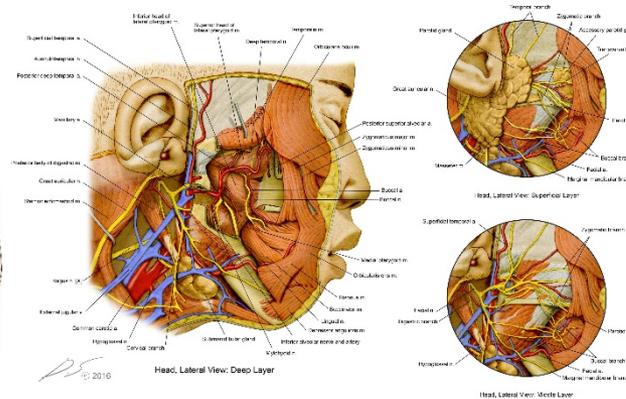
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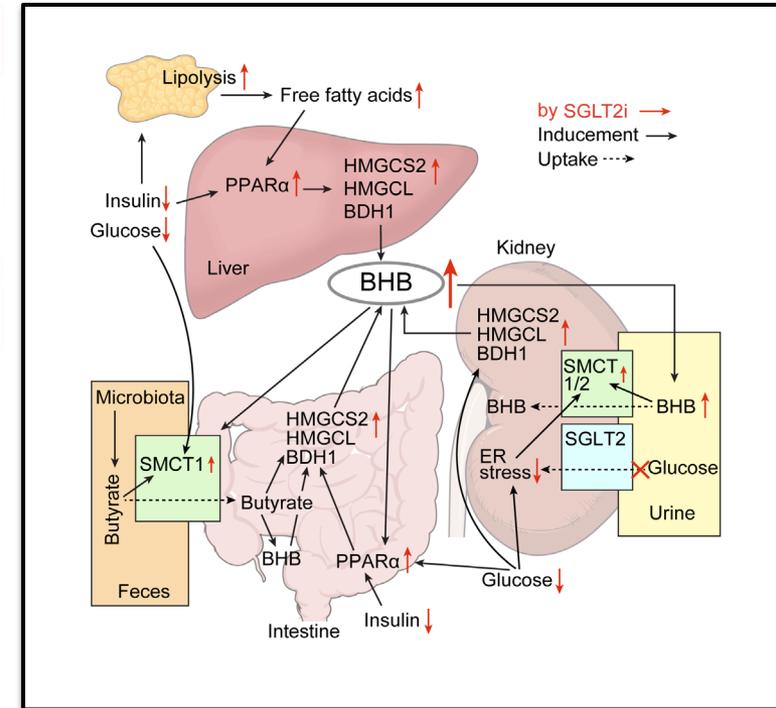
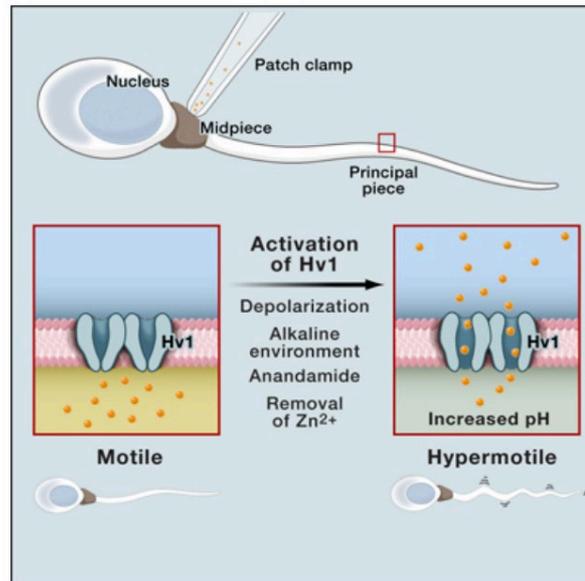
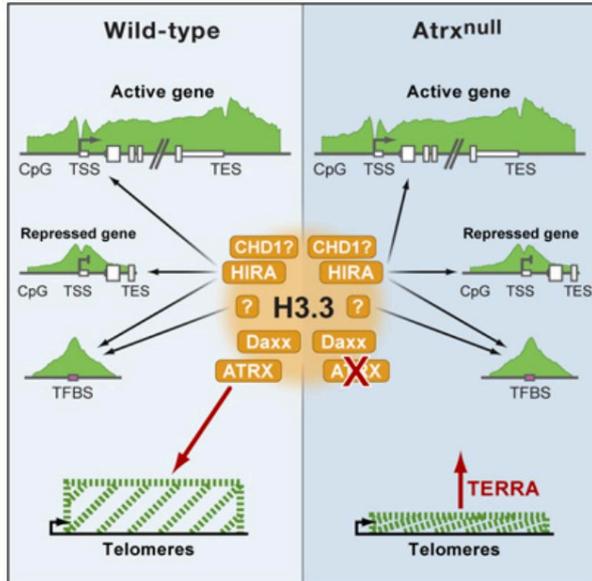
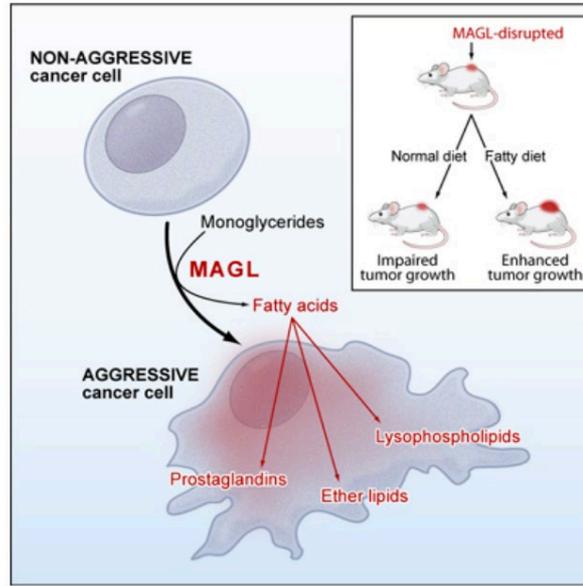
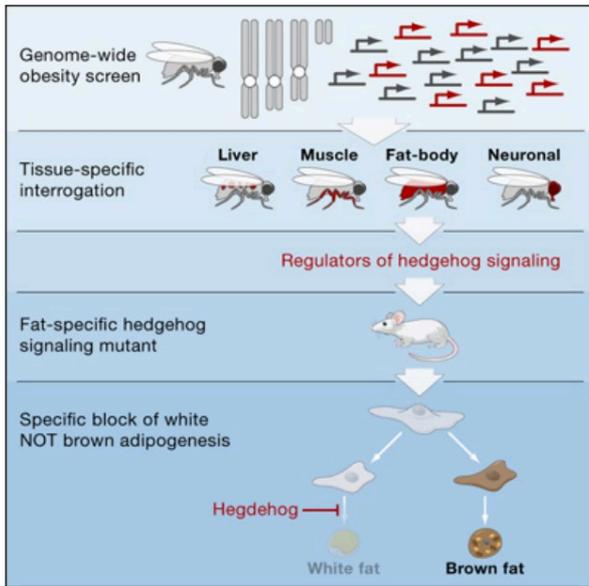
- Wild type CFTR
- GRASP
- ΔF508 CFTR
- phospho-GRASP



Infratemporal region, Superficial to Deep Layers

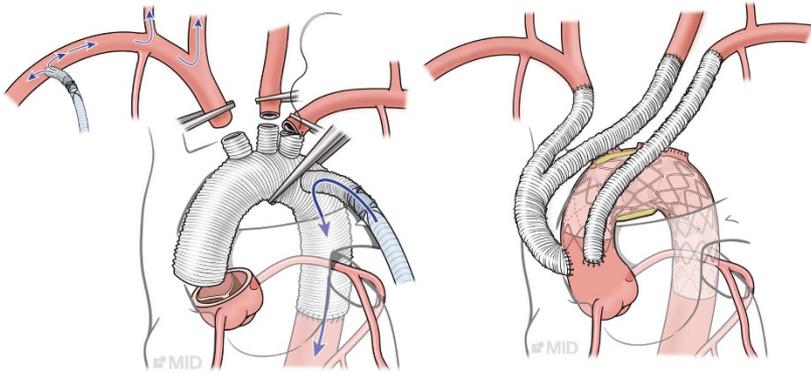


Graphical abstract



THE ANNALS OF THORACIC SURGERY

Volume 101 ■ Number 1 ■ January 2016



Procedure details of total arch replacement (left). Hybrid arch repair (Zone 0 debranching and TEVAR, right). (TEVAR = thoracic endovascular aortic repair). From Joo et al in this issue, p. XXX



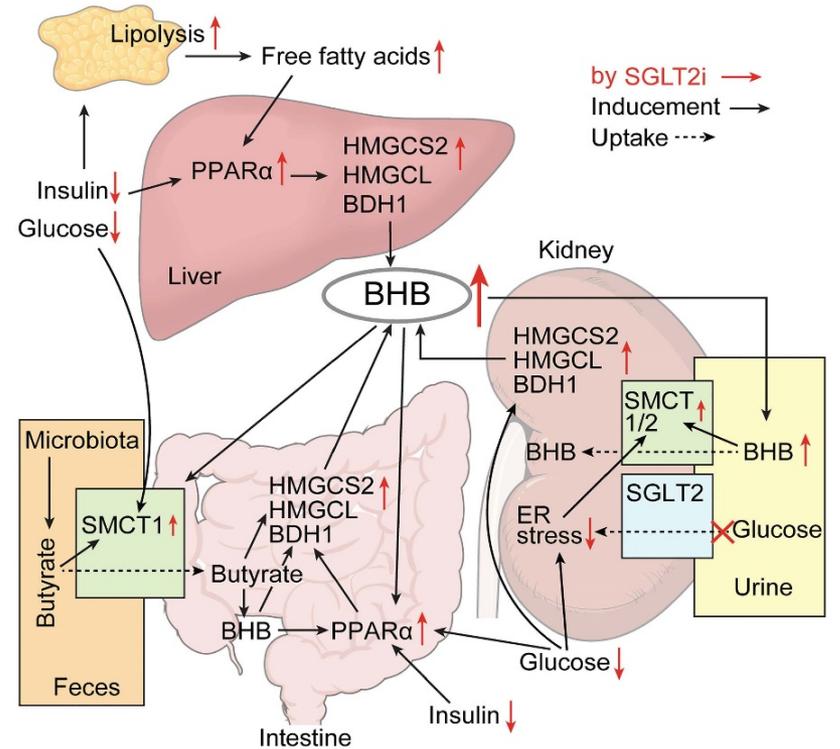
OFFICIAL JOURNAL OF
THE SOCIETY OF THORACIC SURGEONS
AND THE SOUTHERN THORACIC SURGICAL ASSOCIATION



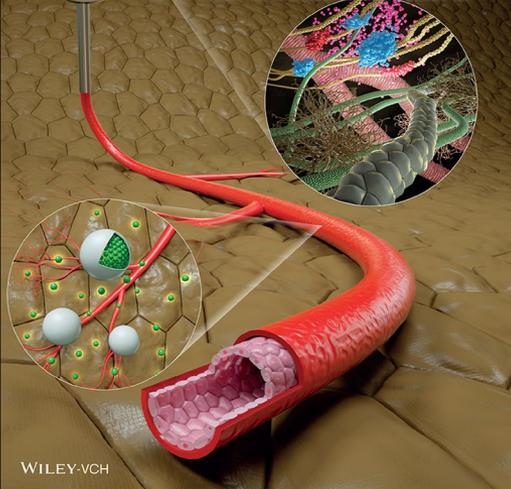
ELSEVIER
ISSN 0003-4975

DIABETES, OBESITY AND METABOLISM

A JOURNAL OF PHARMACOLOGY AND THERAPEUTICS

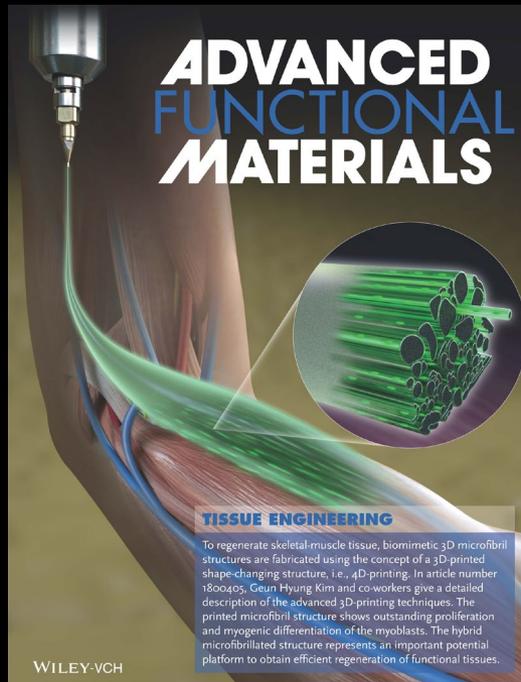


ADVANCED FUNCTIONAL MATERIALS



WILEY-VCH

ADVANCED FUNCTIONAL MATERIALS



TISSUE ENGINEERING

To regenerate skeletal-muscle tissue, biomimetic 3D microfibril structures are fabricated using the concept of a 3D-printed shape-changing structure, i.e., 4D-printing. In article number 1800405, Geun Hyung Kim and co-workers give a detailed description of the advanced 3D-printing techniques. The printed microfibril structure shows outstanding proliferation and myogenic differentiation of the myoblasts. The hybrid microfibrillated structure represents an important potential platform to obtain efficient regeneration of functional tissues.

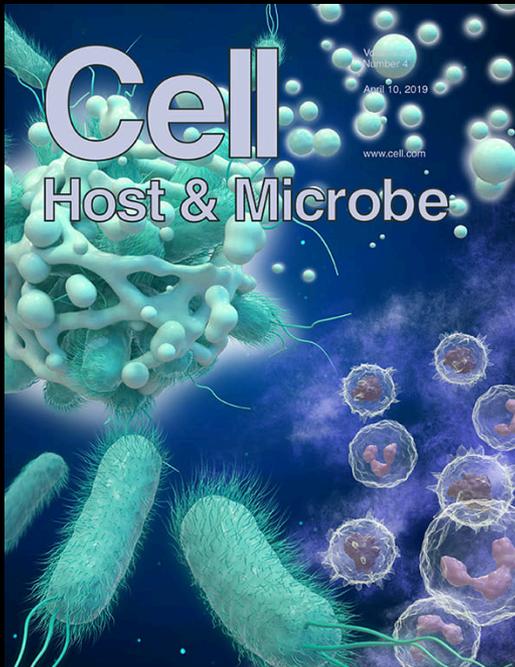
WILEY-VCH

Cell

Host & Microbe

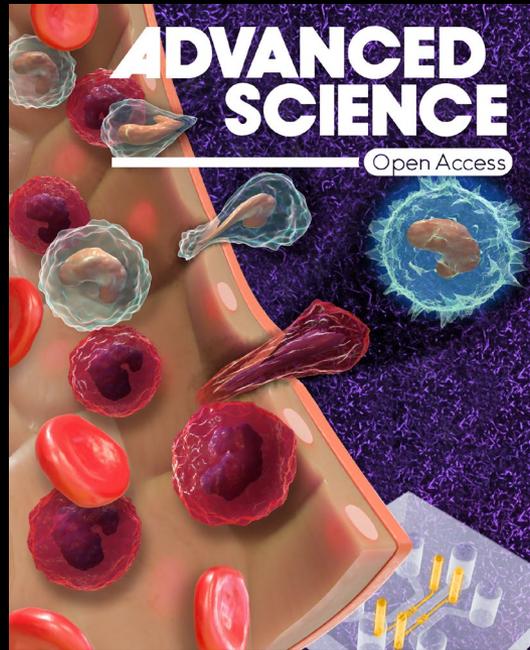
Volume 127
Number 4
April 10, 2019

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VOLUME 12
NUMBER 6

JUNE 11, 2019

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전혀 어렵지 않아요~

"Adobe Illustrator를 활용한 논문 'Figure' 정리 방법"

Medical Illustrator
장 동 수



연세대학교 의과대학
YONSEI UNIVERSITY
COLLEGE OF MEDICINE

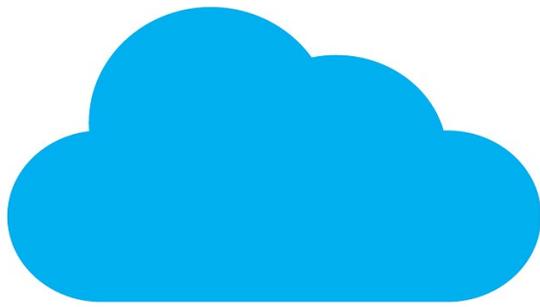




**Adobe Creative Cloud
폴더 공유 방법**

Adobe Photoshop 사진보정

**Adobe Illustrator
Figure 정리 방법**



iCloud



Adobe Creative Cloud



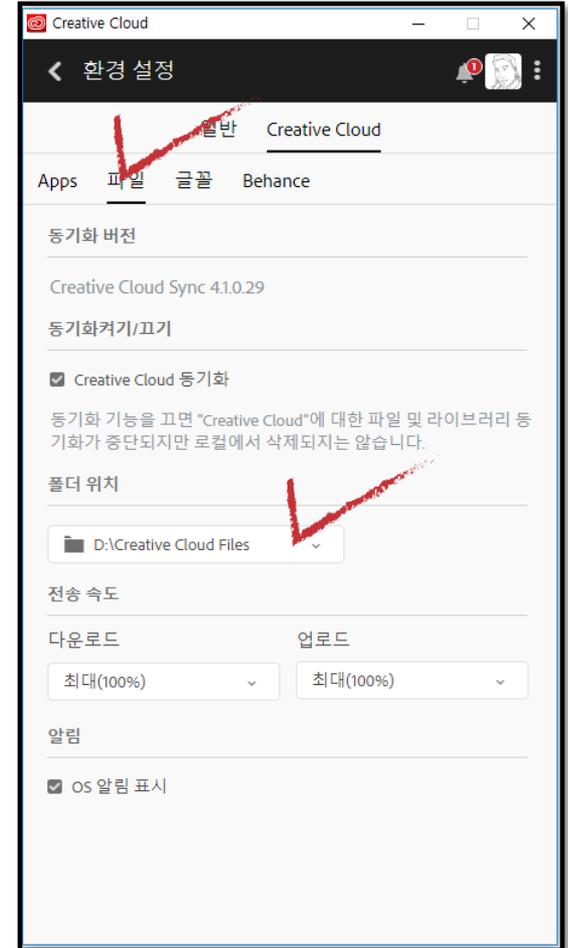
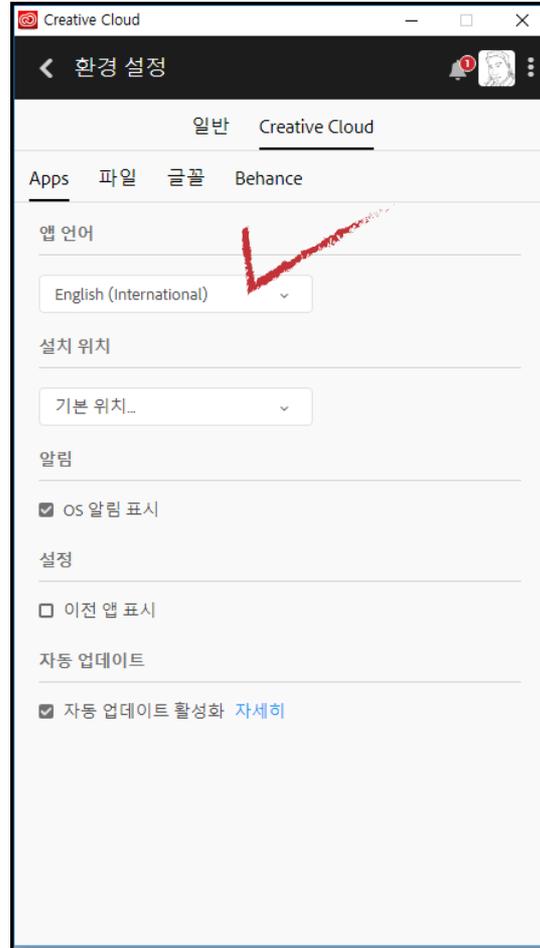
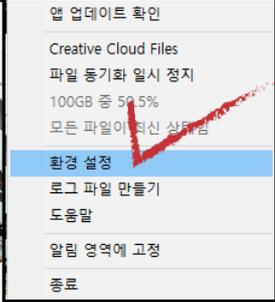
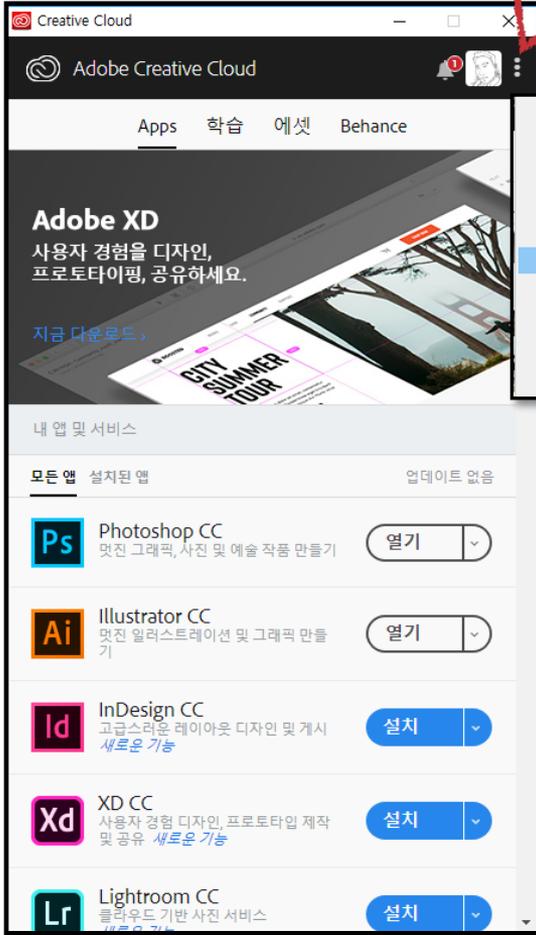
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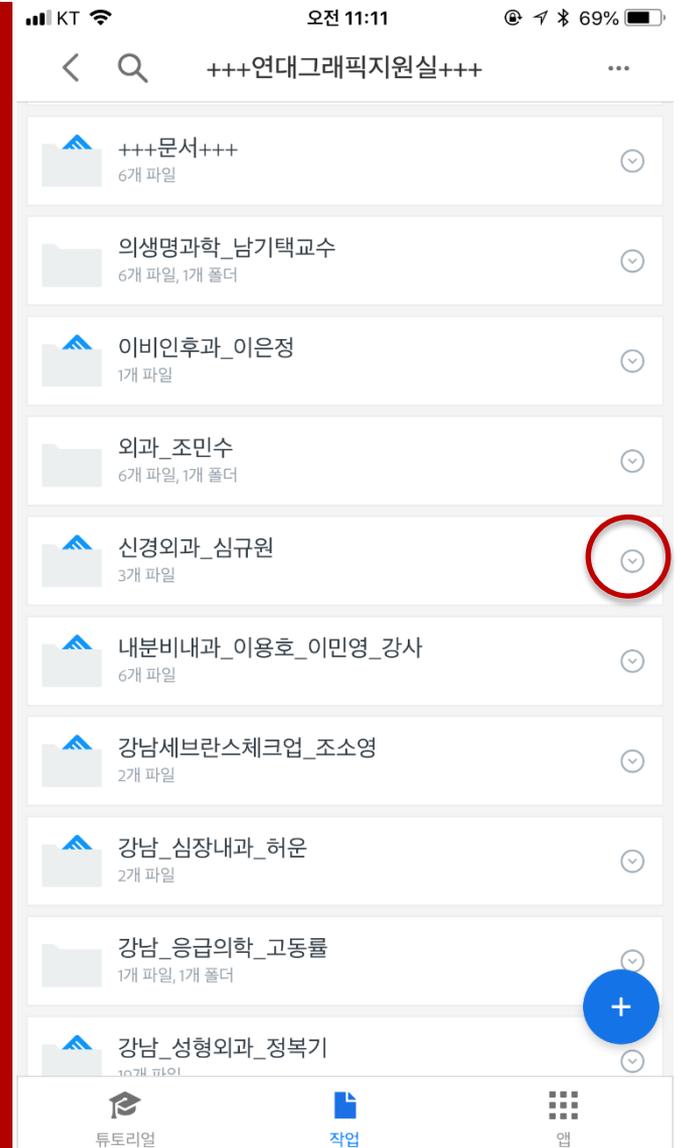
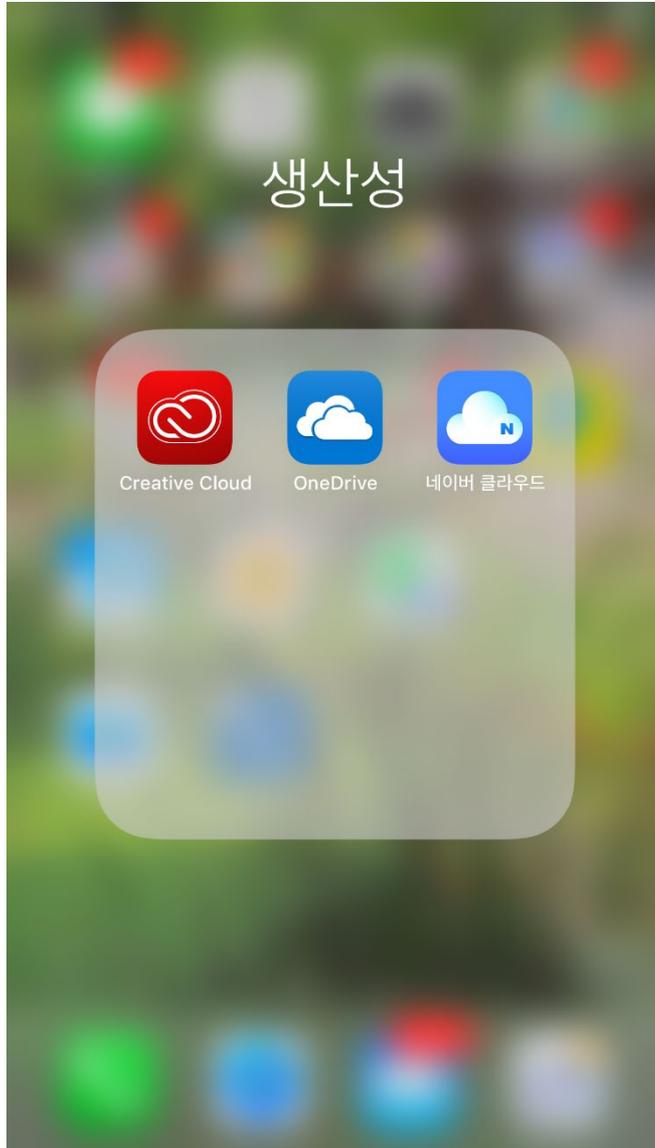
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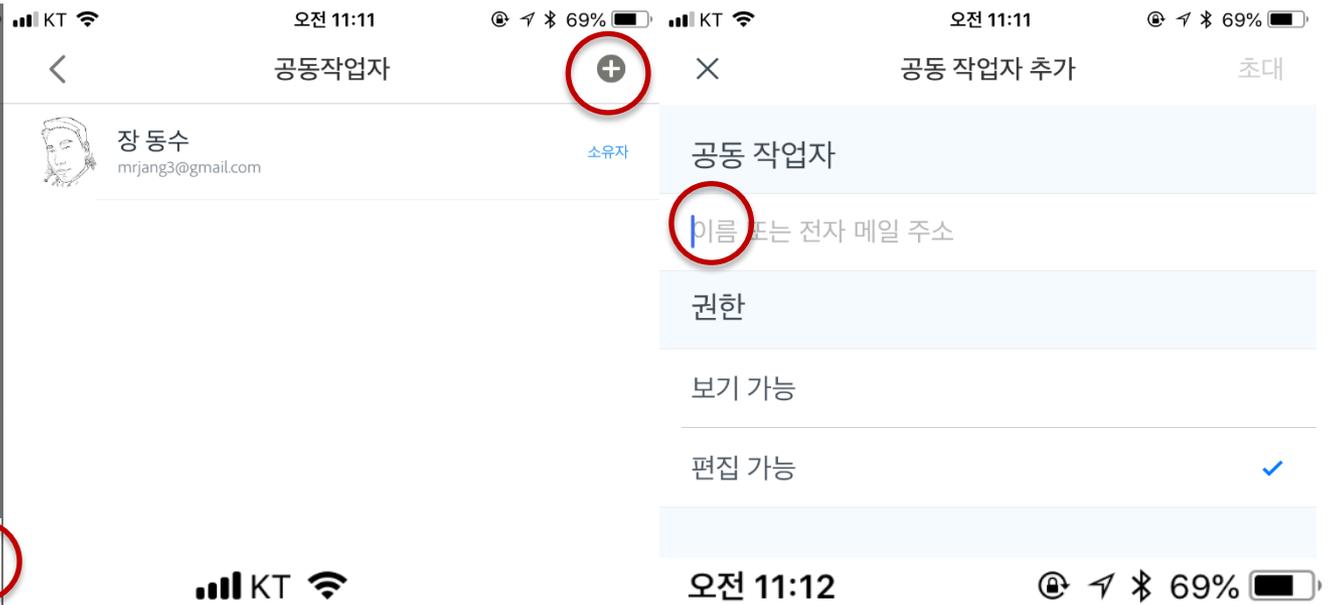
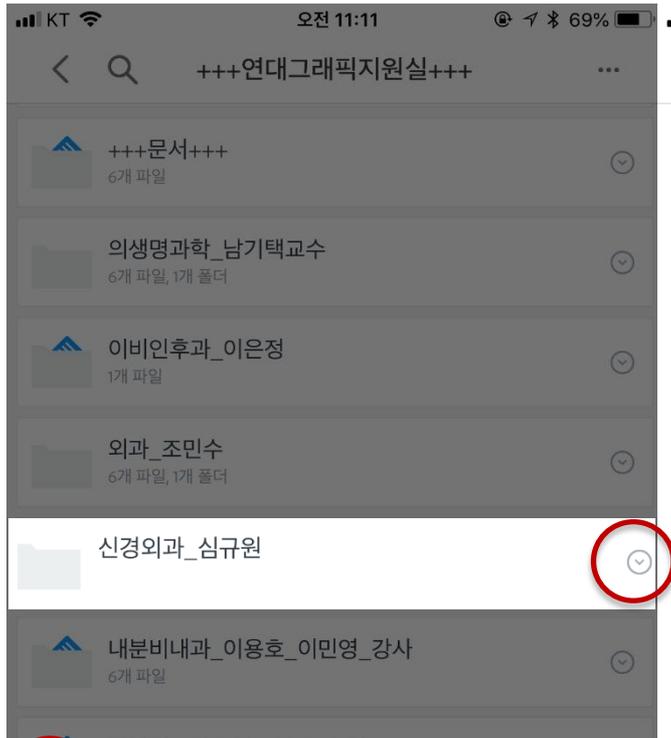
Adobe Creative Cloud PC 설정방법



Adobe Creative Cloud 모바일 폴더 공유설정



Adobe Creative Cloud 모바일 폴더 공유설정



Apps 학습 에셋 Behance

파일 글꼴 Market



폰터 열기

웹에서 보기



14.42% 사용됨

14.42GB/100GB

[스토리지 업그레이드](#)



최신 상태임



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

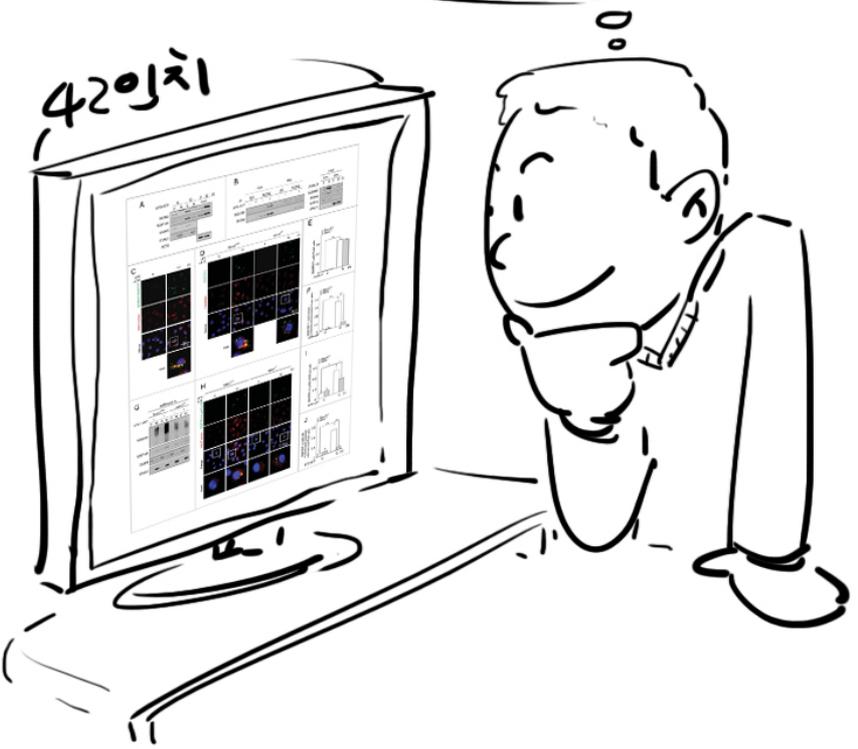
Tiff or EPS

Minimum Resolution: 300 dpi

Tiff : Tagged Image File Format

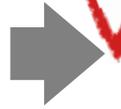
EPS: Encapsulated PostScript

**Print
Screen
SysRq**

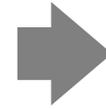




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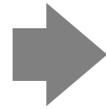


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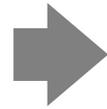


Tiff

PPT



Ai

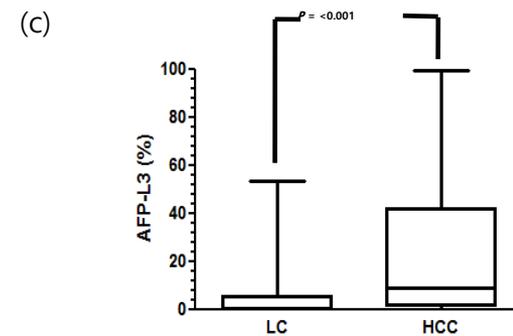
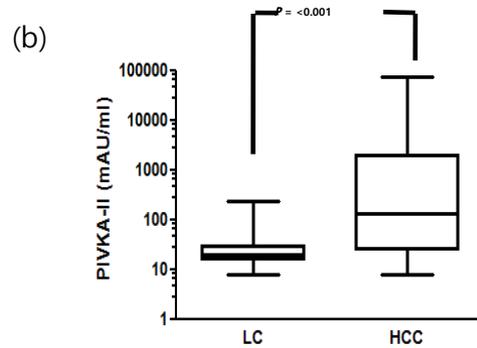
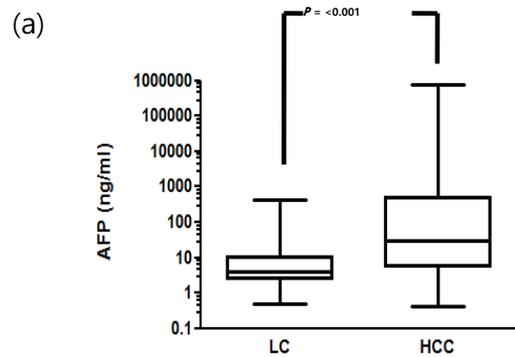


Tiff & eps

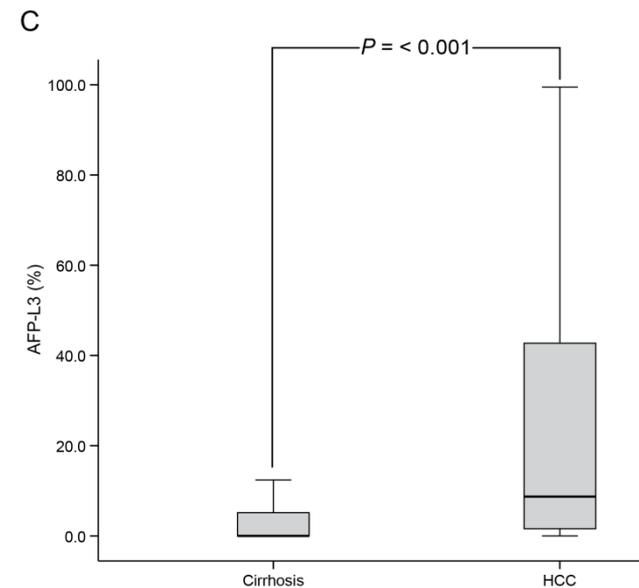
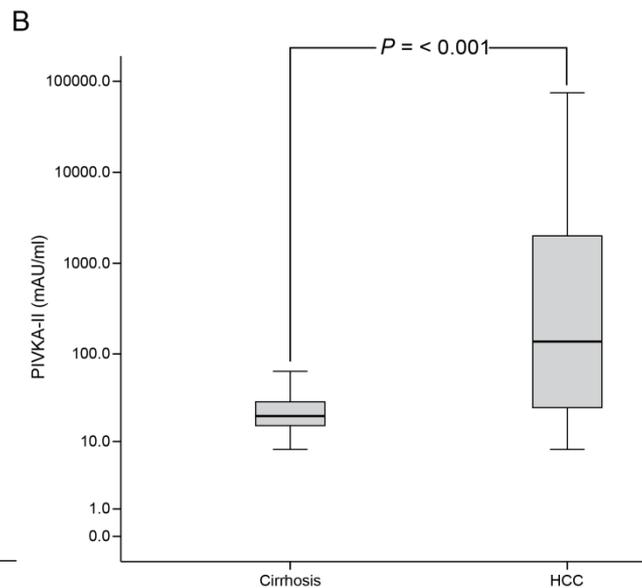
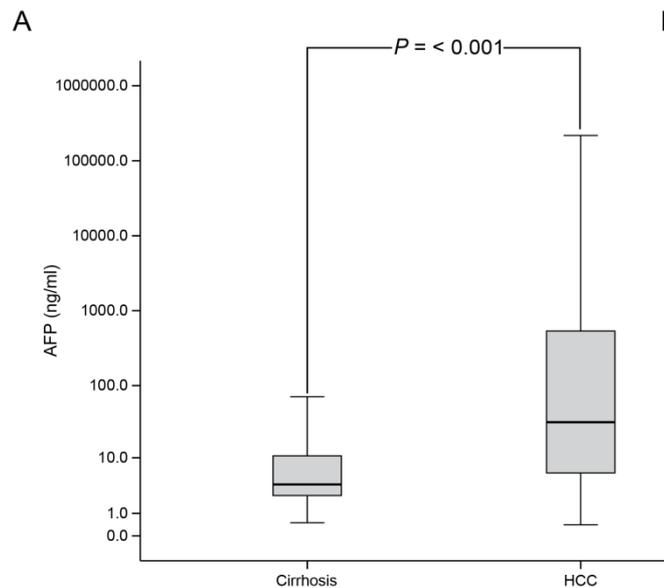
Eps, wmf,
emf, 기타

Line Art

before



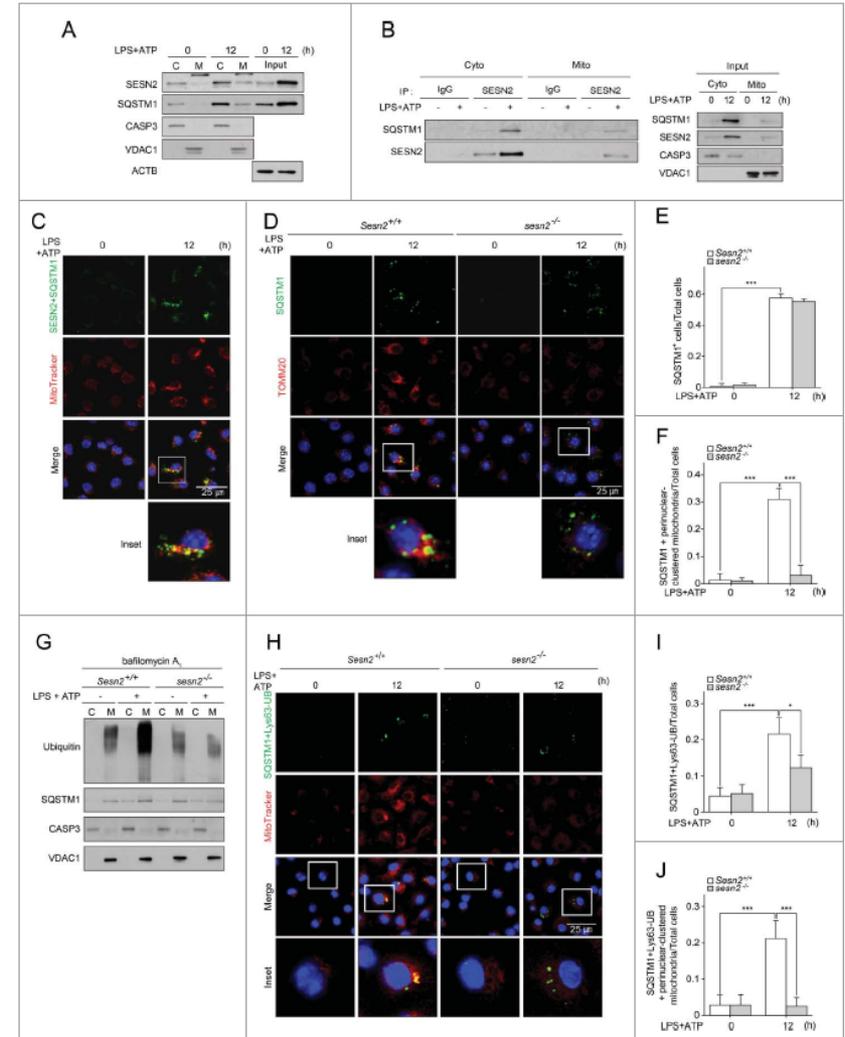
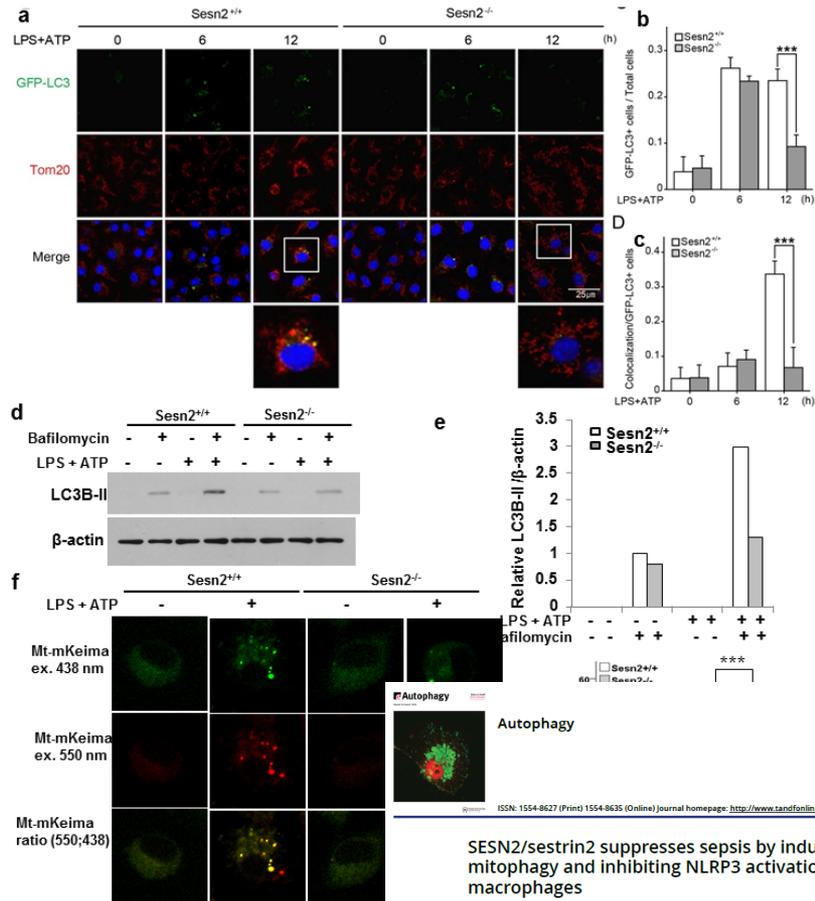
after



Combination Figures

before

after



SESN2/sestrin2 suppresses sepsis by inducing mitophagy and inhibiting NLRP3 activation in macrophages

Min-Ji Kim, Soo Han Bae, Jae-Chan Ryu, Younghee Kwon, Ji-Hwan Oh, Jeongho Kwon, Jong-Seok Moon, Kyubo Kim, Atsushi Miyawaki, Min Goo Lee, Jaekyoon Shin, Young Sam Kim, Chang-Hoon Kim, Stefan W. Ryter, Augustine M. K. Choi, Sue Goo Rhee, Ji-Hwan Ryu & Joo-Heon Yoon

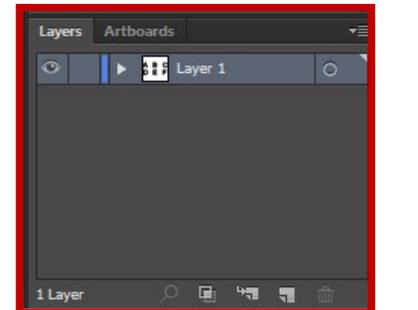
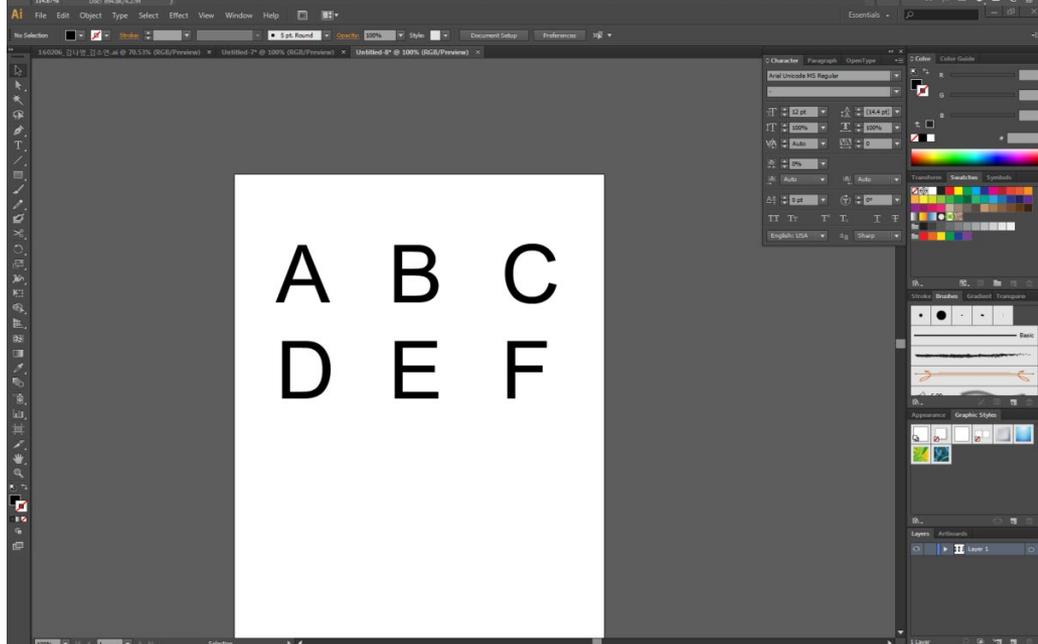
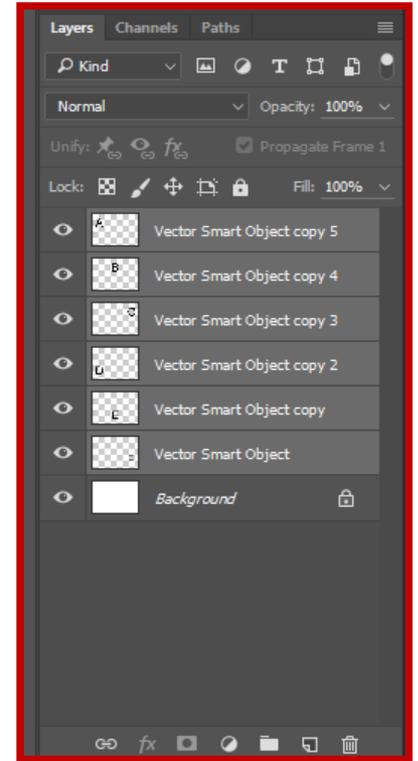
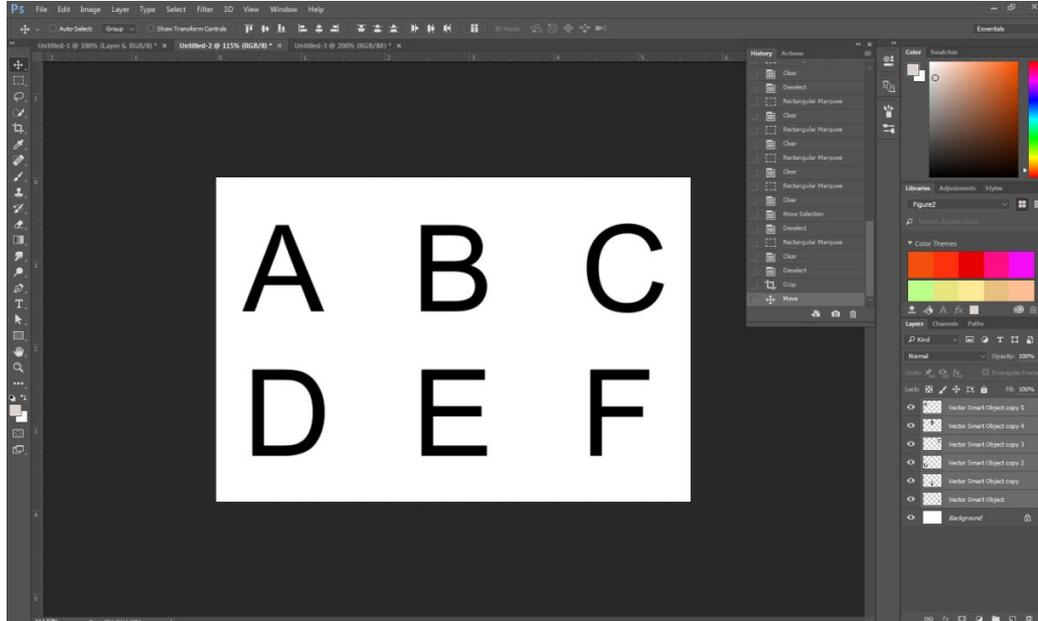
To cite this article: Min-Ji Kim, Soo Han Bae, Jae-Chan Ryu, Younghee Kwon, Ji-Hwan Oh, Jeongho Kwon, Jong-Seok Moon, Kyubo Kim, Atsushi Miyawaki, Min Goo Lee, Jaekyoon Shin, Young Sam Kim, Chang-Hoon Kim, Stefan W. Ryter, Augustine M. K. Choi, Sue Goo Rhee, Ji-Hwan Ryu & Joo-Heon Yoon (2016) SESN2/sestrin2 suppresses sepsis by inducing mitophagy and inhibiting NLRP3 activation in macrophages, *Autophagy*, 12:8, 1272-1291, DOI: 10.1080/1548627.2016.1183081

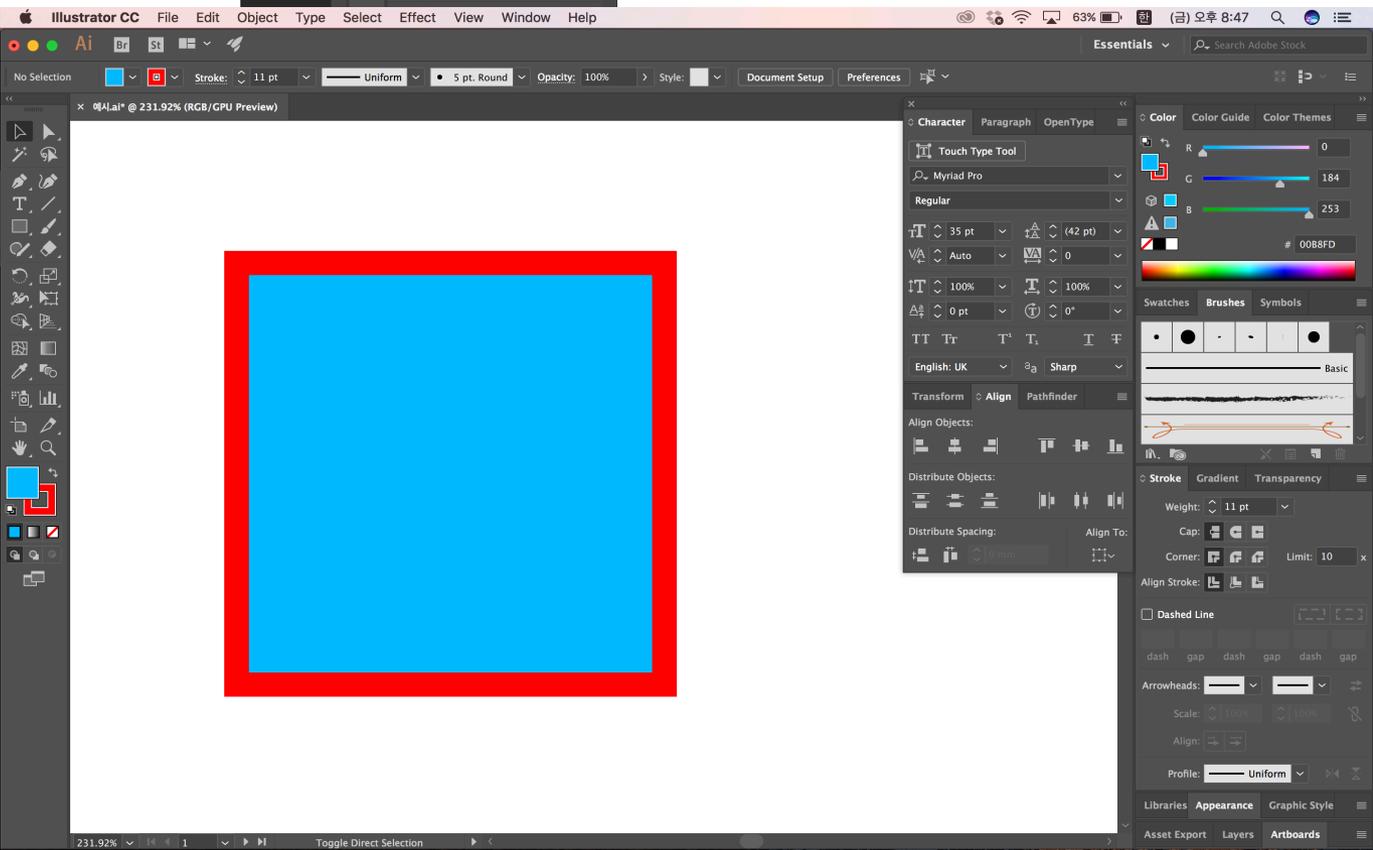
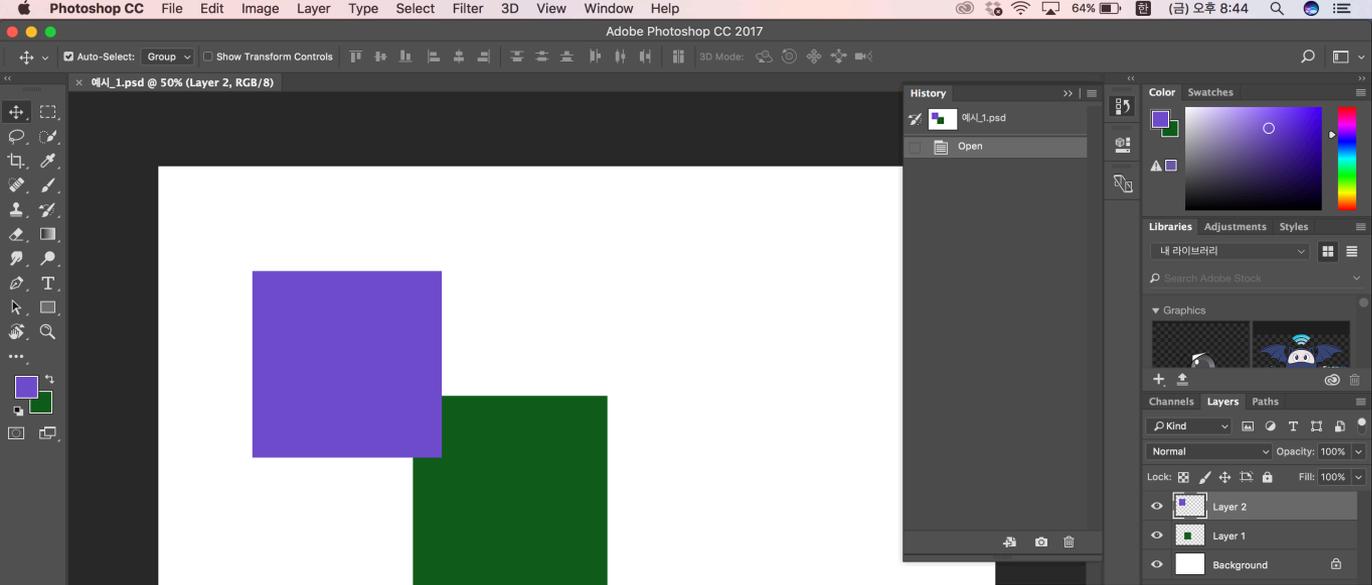
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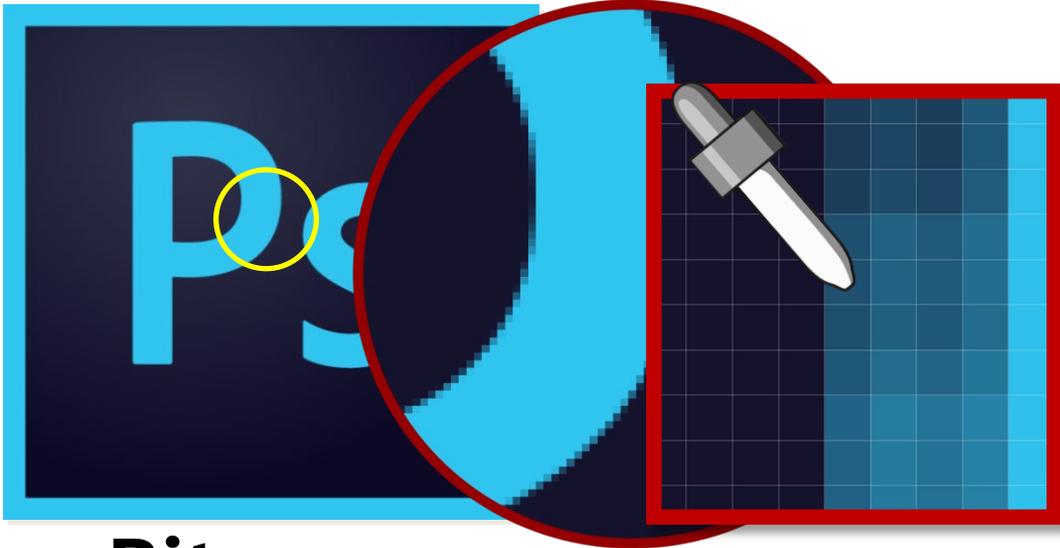


ISSN: 1544-8427 (Print) 1554-8635 (Online) Journal homepage: <http://www.tandfonline.com/loi/lokaup20>

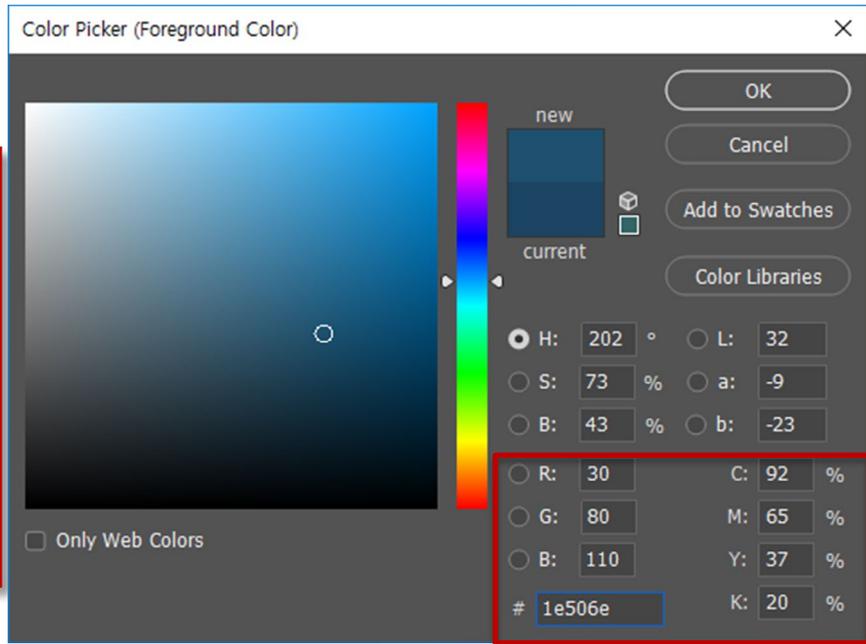
Photoshop, Illustrator 차이



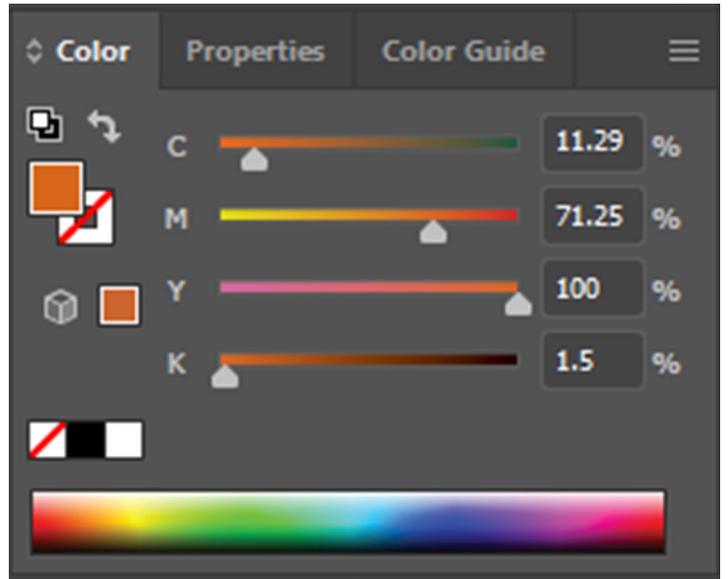


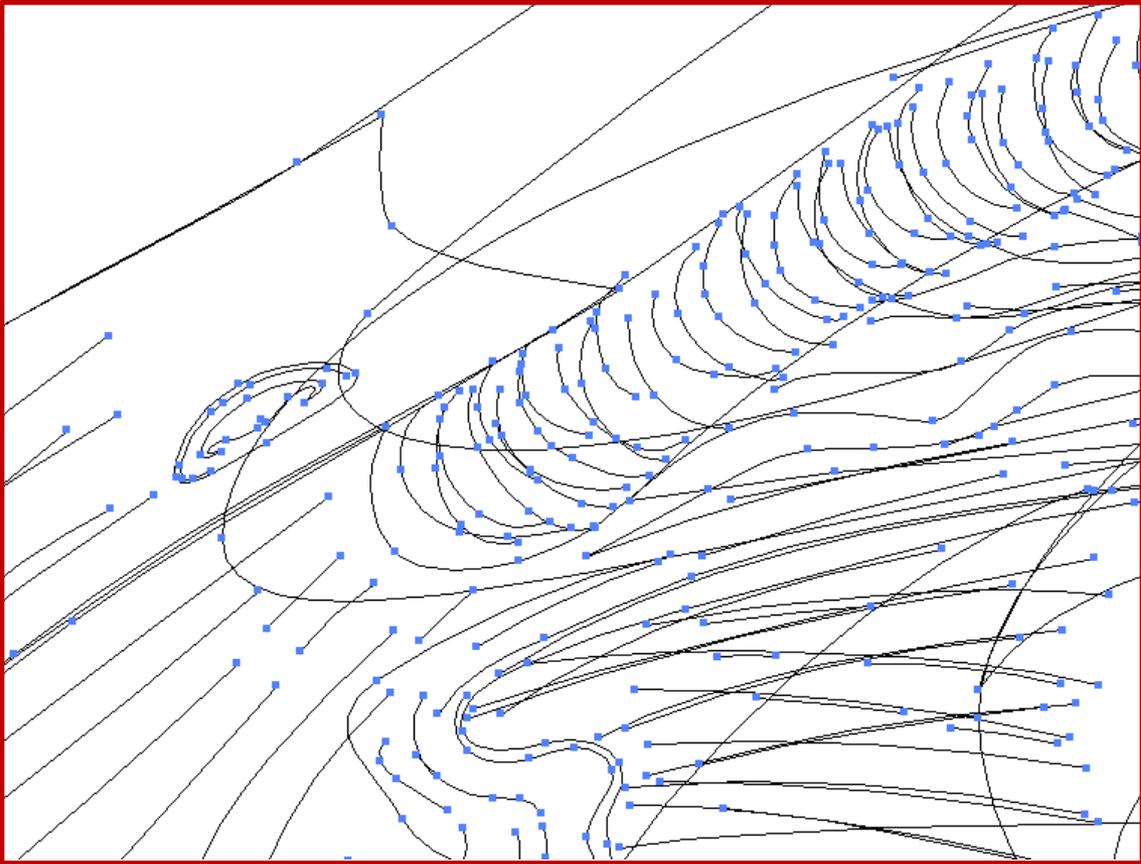
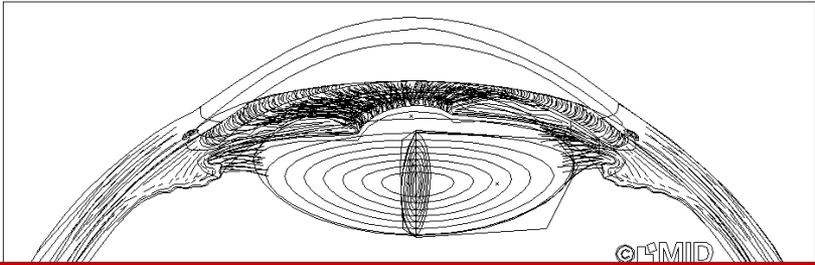
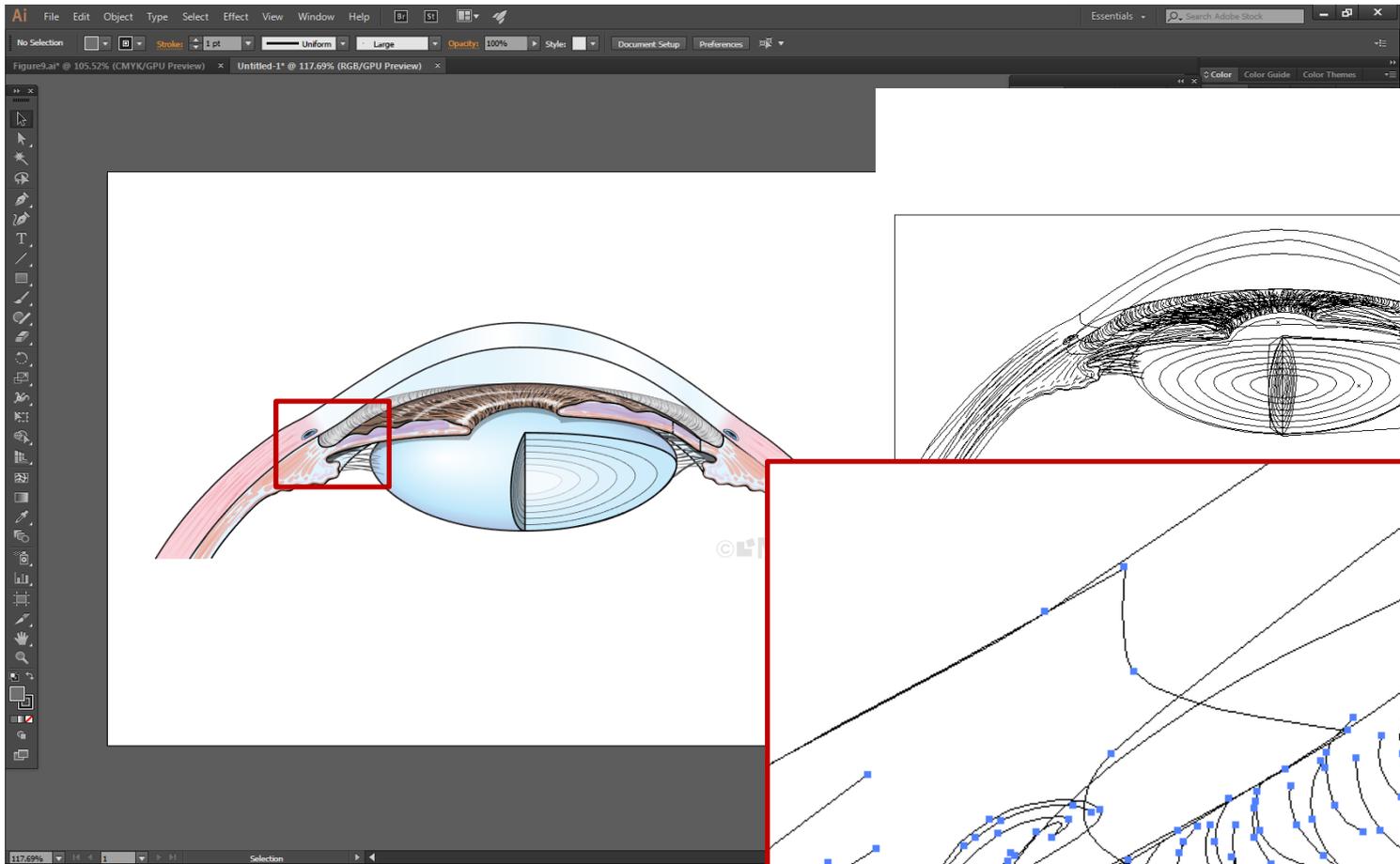


Bitmap



Vector





Bitmap

PSD

TIFF

JPEG

GIF

PNG

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Vector

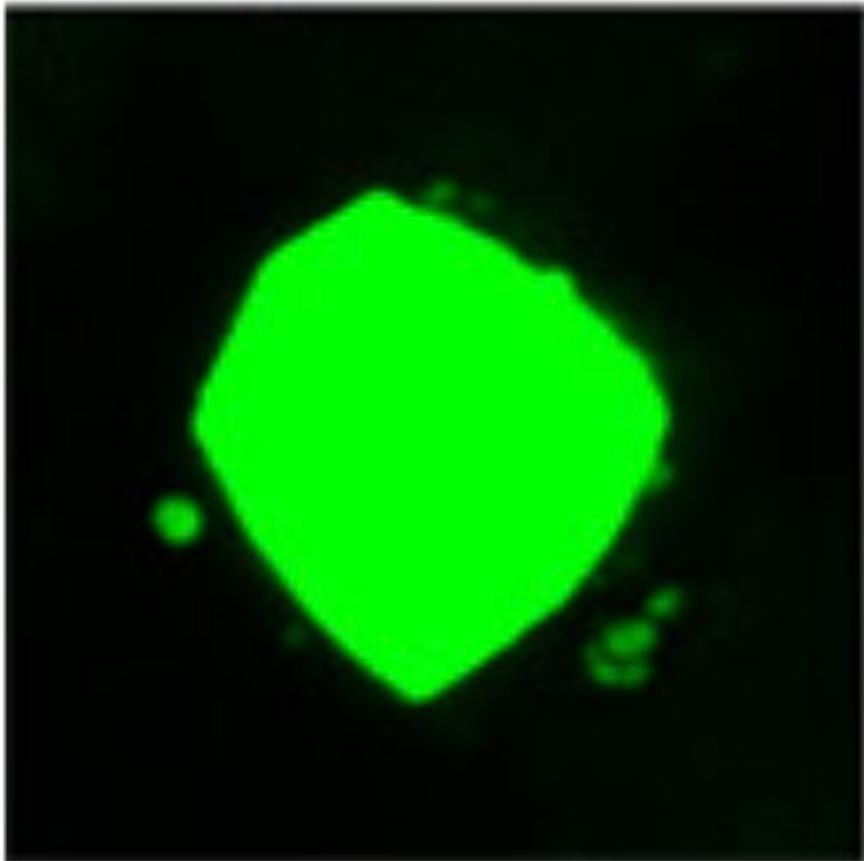
AI

EPS

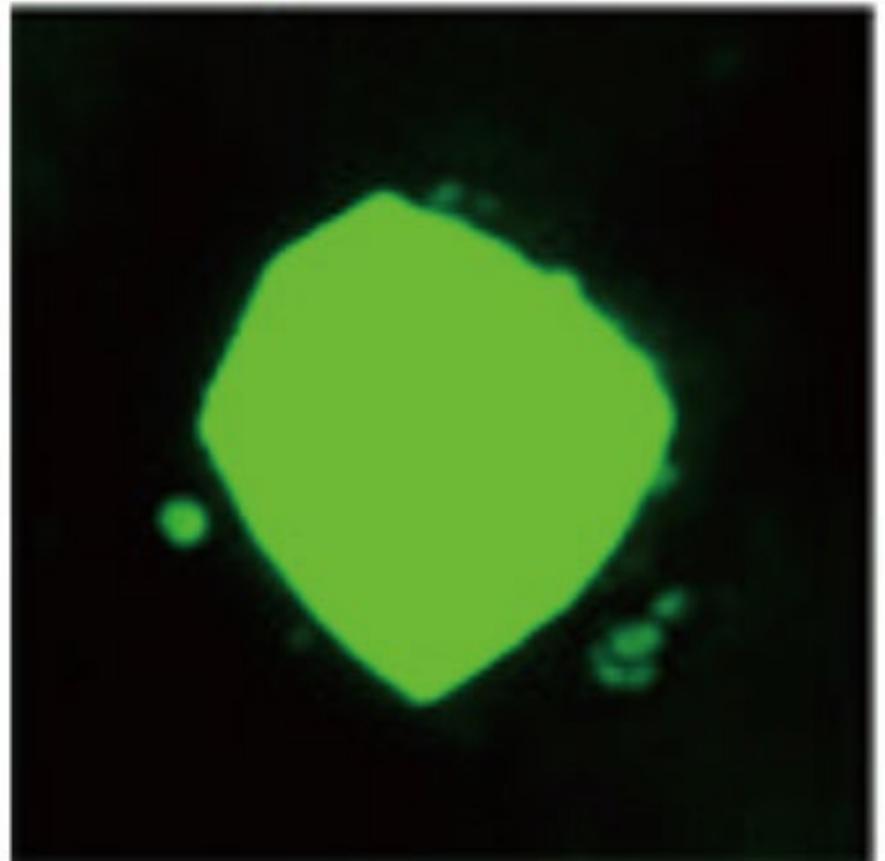
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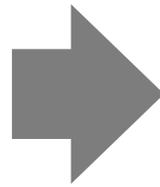
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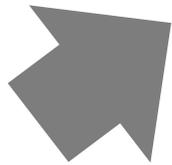
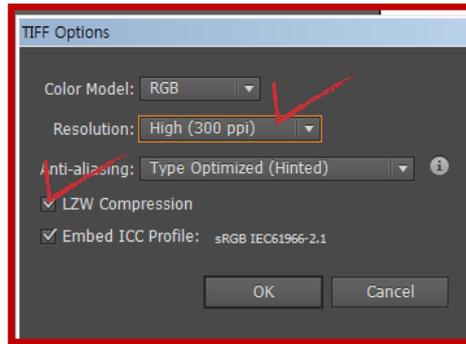
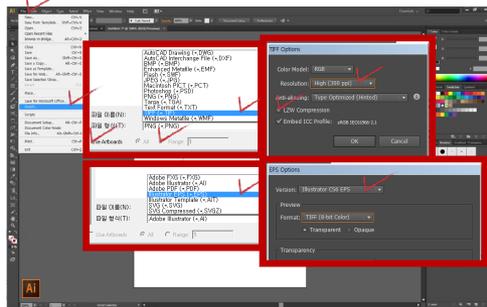
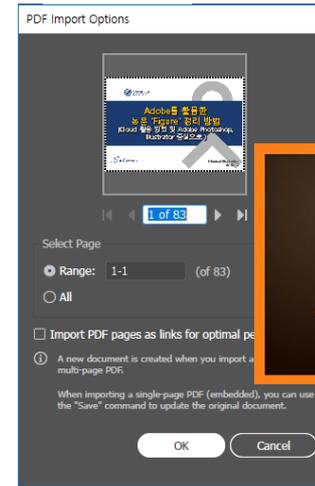
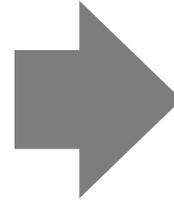
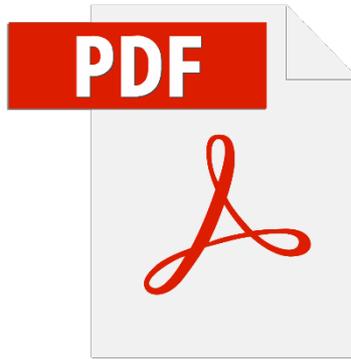
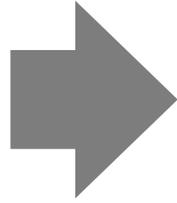


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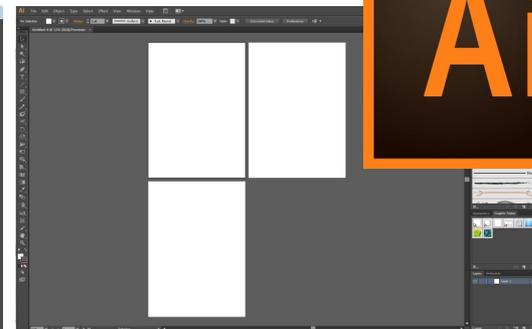
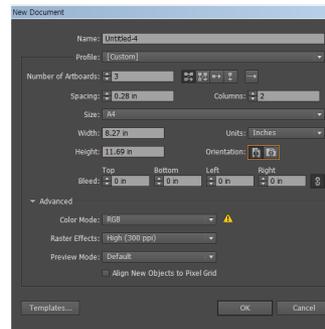
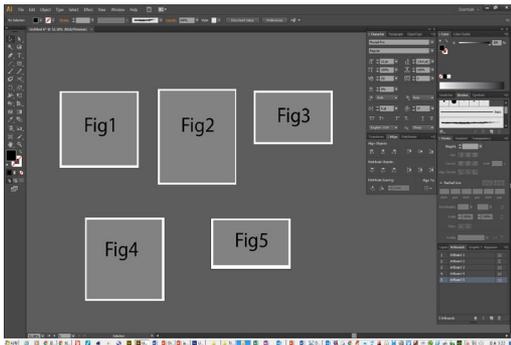


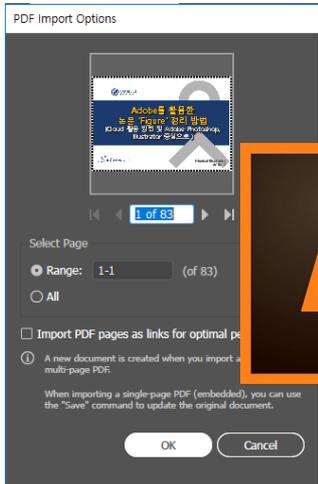
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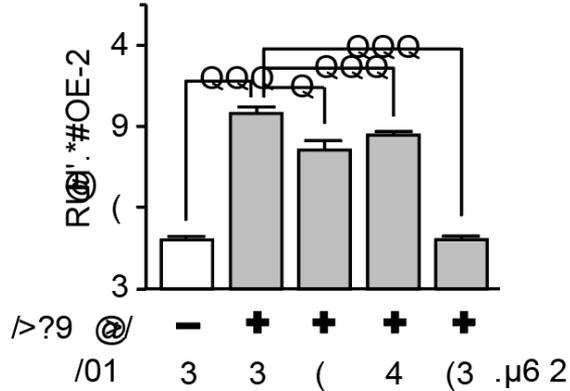


Tiff & eps

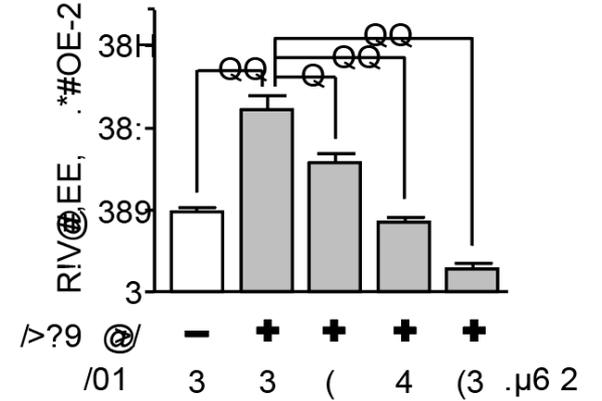




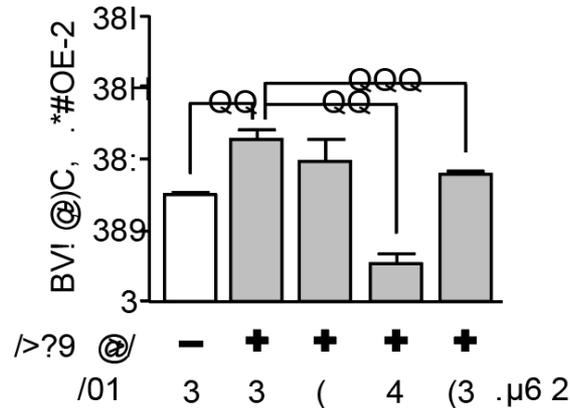
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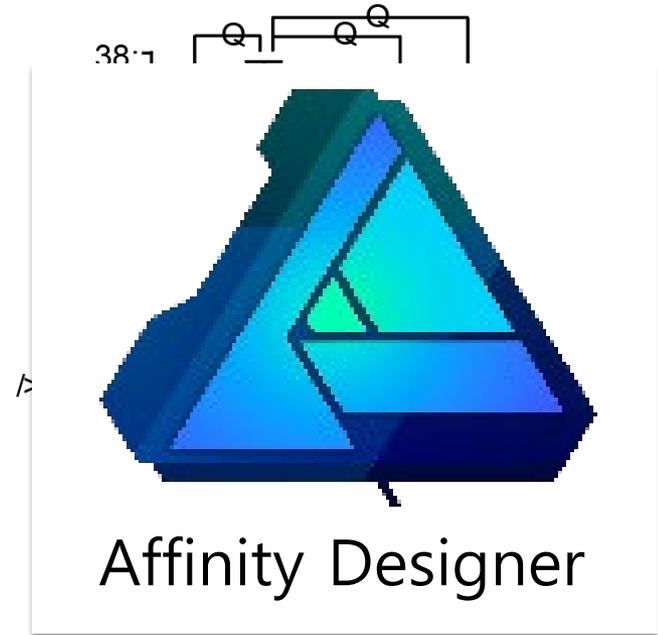
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K



꼭 필요한 Illustrator 메뉴 확인

The image shows the Adobe Illustrator CC interface with a central callout box highlighting specific tools and their functions. The callout box contains the following text and tool icons:

- 선택 툴-개체를 선택/움직임 (Select tool - select/move objects)
- 직접 선택 툴-선택 툴과 같음+일부분만 선택 (Direct Selection tool - same as select tool + select part)
- 펜툴 - 포인트를 눌러 개체를 그림 (Pen tool - click points to draw objects)
- 문자 툴-텍스트 입력 (Text tool - text input)
- 아트보드 툴-작업창 크기 조정/생성/제거/위치변경 (Artboard tool - adjust/create/delete/move artboards)
- 손 툴-보이는 작업창을 자유자재로 움직임 (Hand tool - move visible artboards freely)
- 돋보기 툴 - 작업창을 확대/축소 시킴 (Zoom tool - enlarge/shrink artboards)

The interface also shows the top menu bar (File, Edit, Object, Type, Select, Effect, View, Window, Help), the top toolbar (No Selection, Stroke: 1 pt, Uniform, 5 pt. Round, Opacity: 100%), and the right-hand panels (Character, Paragraph, OpenType, Color, Stroke, Gradient, Transparency, Swatches, Brushes, Symbols, Libraries, Appearance, Graphic Styles, Asset Export, Layers, Artboards).

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

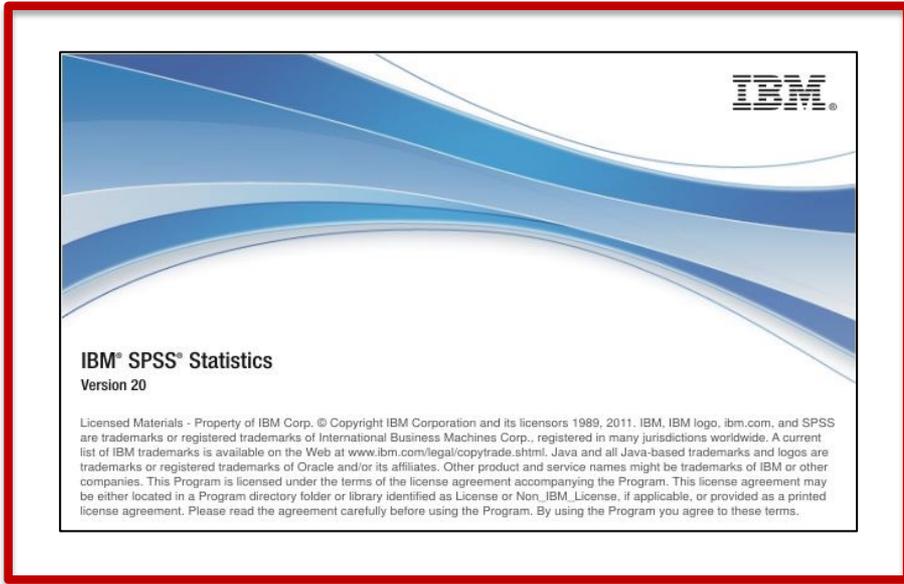
command + alt + 2 고정해제

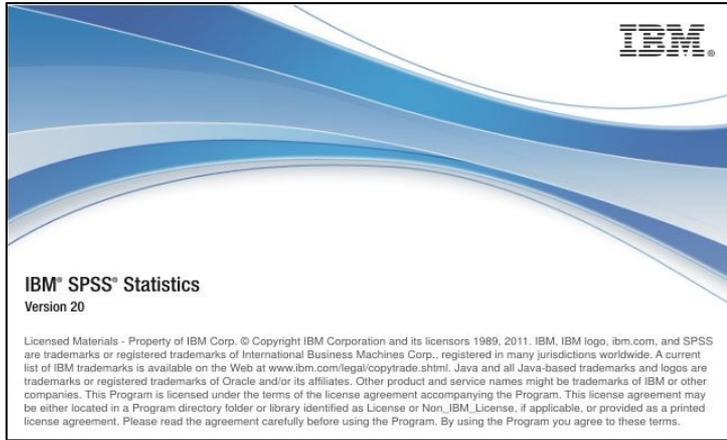
command + 3 감추기

command + alt + 3 나타내기

command + G 그룹하기

command + shift + G 그룹풀기





spv ➡ 도표편집기 ➡ eps ➡ Ai ➡ Tiff & eps

SPSS 그래프 추출하는 방법

The screenshot displays the IBM SPSS Statistics Viewer interface. The main window shows a boxplot of the variable 'AREG' for two groups: 'K19-' and 'K19+'. The y-axis ranges from 0.00 to 1.25. The 'K19-' group has a significantly higher median and larger spread compared to the 'K19+' group. A red arrow points to the '특성' (Properties) dialog box, which is open over the chart. The '특성' dialog box has the '막대 옵션' (Bar Options) tab selected, and the '막대(B)' option is chosen. The '도표 크기' (Chart Size) tab is also visible, showing the '막대(B)' option selected with a percentage of 28%. The '특성' dialog box also shows the '상자, 종위수 선 및 오차막대 너비 연결(L)' option checked. The '도표 크기' dialog box shows the '막대(B)' option selected with a percentage of 28%.

IBM SPSS Statistics Viewer

Log

- NPPar Tests
- Title
- Notes
- Active Dataset
- Mann-Whitney Te
- Title
- Ranks
- Test Statistic

Log

- Explore
- Title
- Notes
- Active Dataset
- group
- Title
- Case Proces
- Descriptives
- Tests of Nor
- pYAP.YAP
- Title
- Stem-ar
- Title
- gro
- gro
- Normal
- Title
- gro
- gro
- Detrend
- Title
- gro
- gro
- Boxplot

Log

- NPPar Tests
- Title
- Notes
- Active Dataset
- Mann-Whitney Te
- Title
- Ranks
- Test Statistic

Log

- Explore
- Title
- Notes
- Active Dataset
- group
- Title
- Case Proces

NPPar TESTS

```
/M-W= AREG BY group(1 2)  
/MISSING ANALYSIS.
```

NPPar Tests

[DataSet0] D:\P\W1-data\W1-YAP\W1-tissue\K19 tissue.sav

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

오후 1:39
2014-02-13



- Log
- Boxplot
- NPar Tests
 - Title
 - Notes
 - Active Dataset
 - Mann-Whitney Te
 - Ranks
 - Test Statistic
- Log
- Explore
 - Title
 - Notes
 - Active Dataset
 - group
 - Title
 - Case Proces
 - Descriptives
 - Tests of Nor
 - pYAP.YAP
 - Title
 - Stem-ar
 - Title
 - gro
 - gro
 - Normal
 - Title
 - gro
 - gro
 - Detrend
 - Title
 - gro
 - gro
 - Boxplot
- Log
- NPar Tests
 - Title
 - Notes
 - Active Dataset
 - Mann-Whitney Te
 - Ranks
 - Test Statistic
- Log
- Explore
 - Title
 - Notes
 - Active Dataset
 - group
 - Title
 - Case Proces

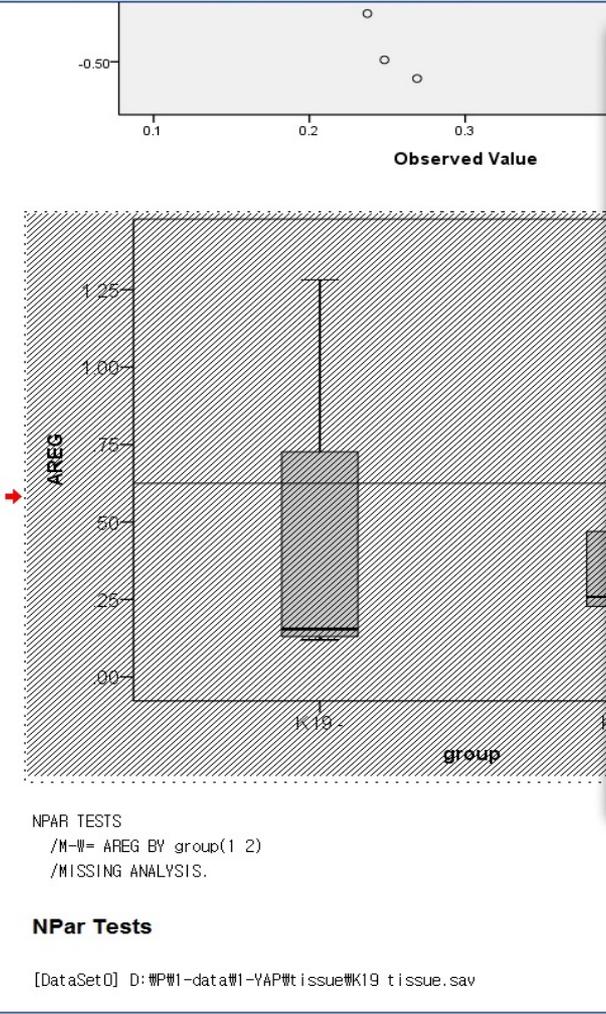


도표 편집기

파일(F) 편집(E) 보기(V) 옵션(O) 요소(M) 도움말(H)

arial 12 B I

특성

척도화분석 설명 & 눈금 숫자 형식 변수

도표 크기 텍스트 유형

미리보기(V)

가나다 AaBbCc 123

글꼴

글꼴군(F): SansSerif 유형(Y): 정규

크기(S): 12 선택 크기(P): 12 최소 크기(M): 6

색상

■ 텍스트 색상(C)
(0, 0, 0)

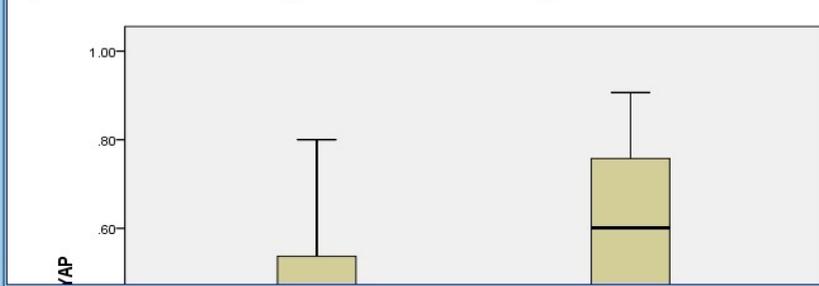
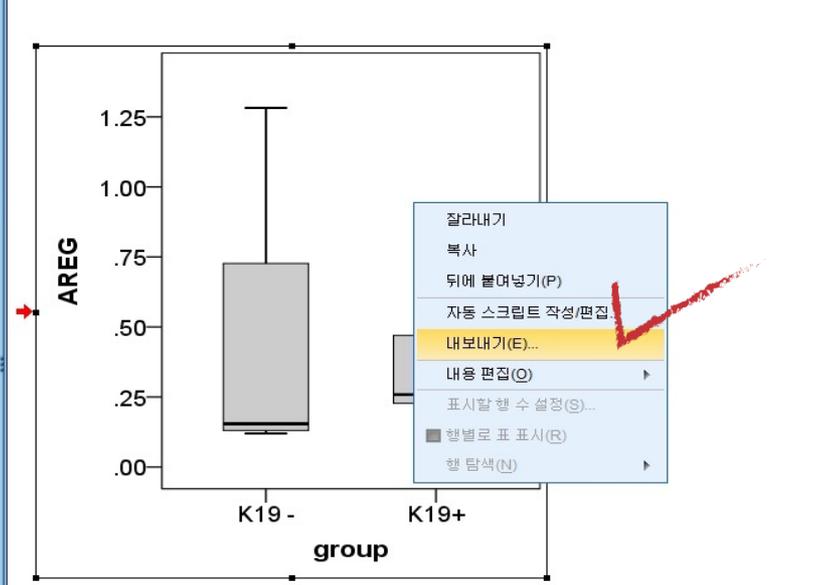
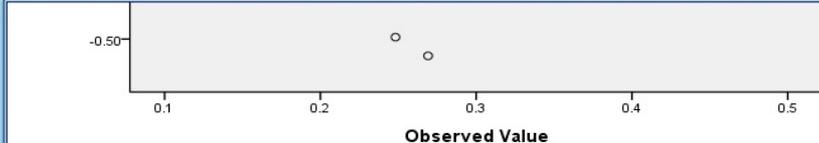
편집(E) 재설정(R)

(0, 0, 0)

적용(A) 닫기 도움말(H)

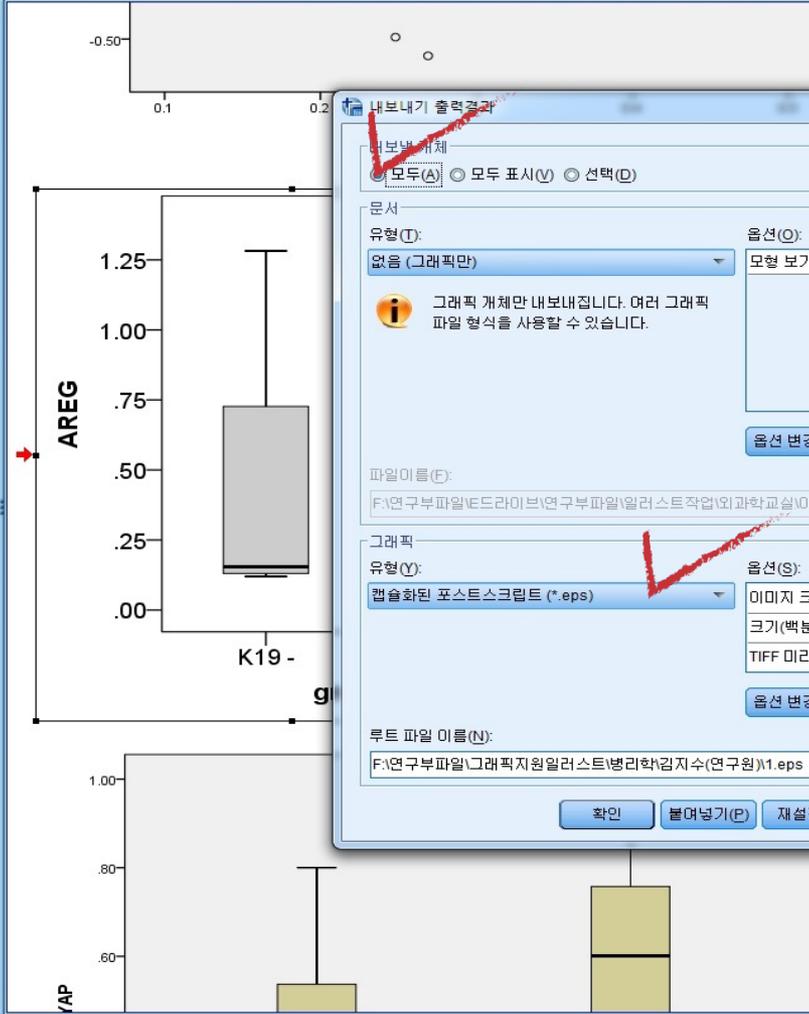


- Detrend
 - Title
 - gro
 - gro
- Log
- NPar Tests
 - Title
 - Notes
 - Active Dataset
- Mann-Whitney Te
 - Title
 - Ranks
 - Test Statistic
- Log
- Explore
 - Title
 - Notes
 - Active Dataset
- group
 - Title
 - Case Proces
 - Descriptives
 - Tests of Nor
- AREG
 - Title
- Stem-ar
 - Title
 - gro
 - gro
- Normal
 - Title
 - gro
 - gro
- Detrend
 - Title
 - gro
 - gro
- Boxplot
 - Boxplot





- Detrend
 - Title
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 - gro
- Log
- NPar Tests
 - Title
 - Notes
- Active Dataset
- Mann-Whitney Te
 - Title
 - Ranks
 - Test Statistic
- Log
- Explore
 - Title
 - Notes
 - Active Dataset
 - group
 - Title
 - Case Proces
 - Descriptives
 - Tests of Nor
 - AREG
 - Title
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 - Normal
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 - gro
 - gro
 - gro
 - Detrend
 - Title
 - gro
 - gro
 - Boxplot
 - Title
 - Boxplot



내보내기 출력결과

내보내기
 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.

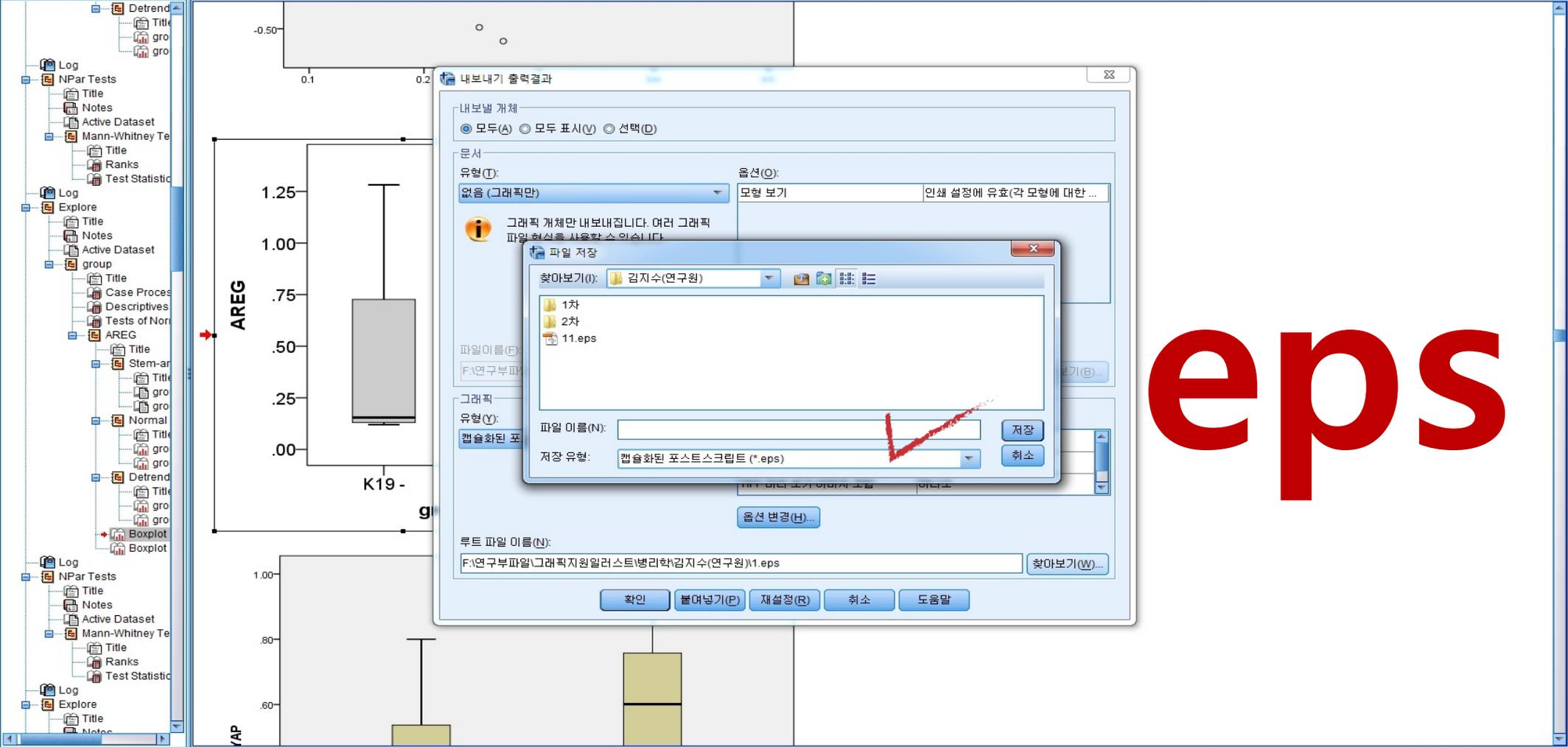
파일 이름(F): F:\연구부파일\드라이브\연구부파일\일러스트작업\외과학교실\이형순(강사)\2\OUTPUT.xls

그래픽

유형(Y): 캡슐화된 포스트스크립트 (*.eps) 옵션(S):

이미지 크기 유형	현재 크기의 백분율(P)
크기(백분율)	100
TIFF 미리 보기 이미지 포함	아니오

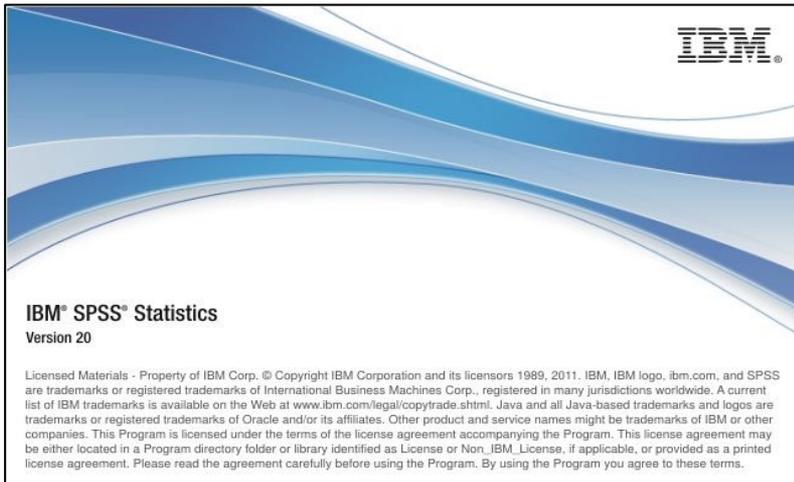
루트 파일 이름(N): F:\연구부파일\그래픽지원\일러스트\병리학\김지수(연구원)\1.eps



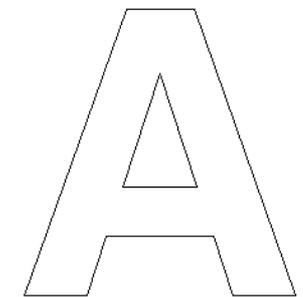
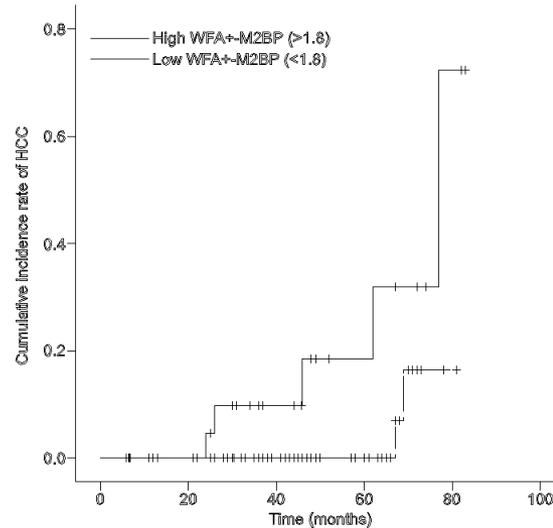
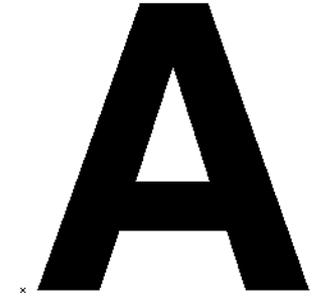
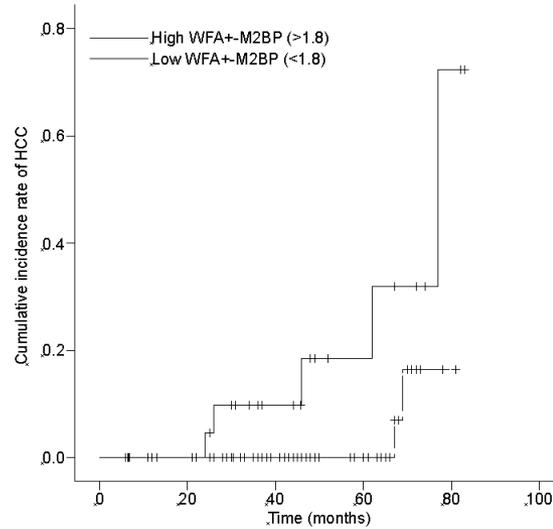
eps



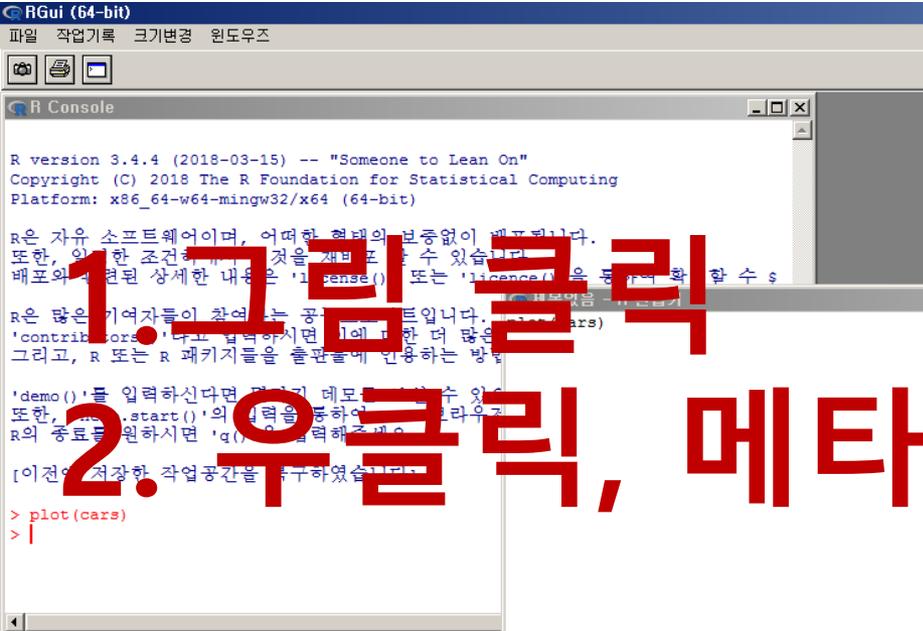
Version 19



Version 20



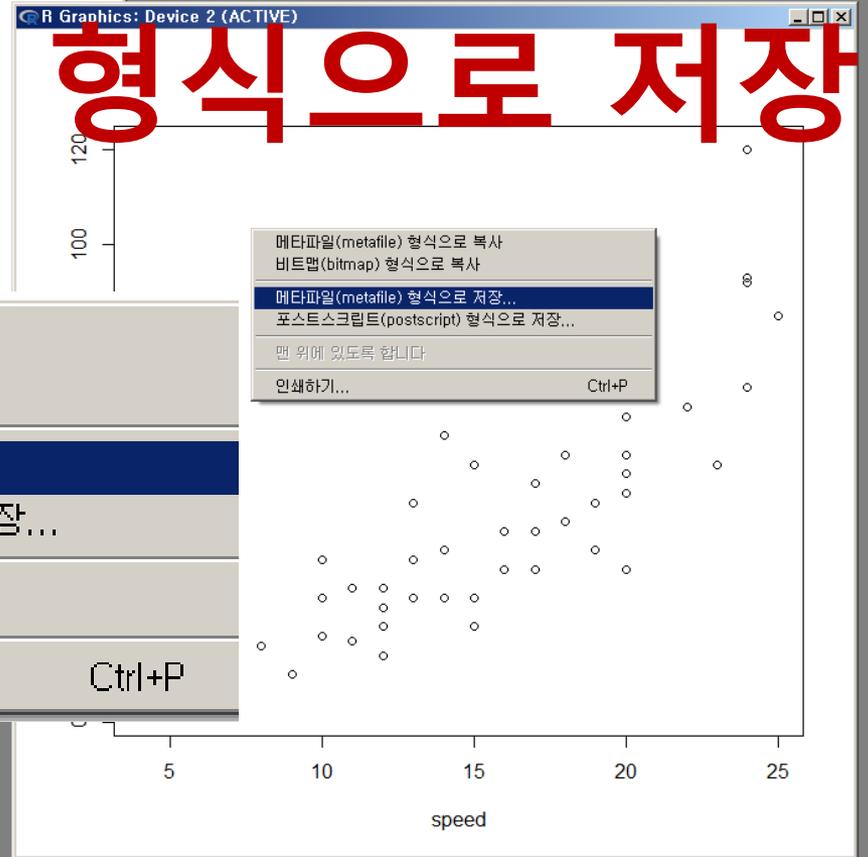
R 그래프 추출하는 방법



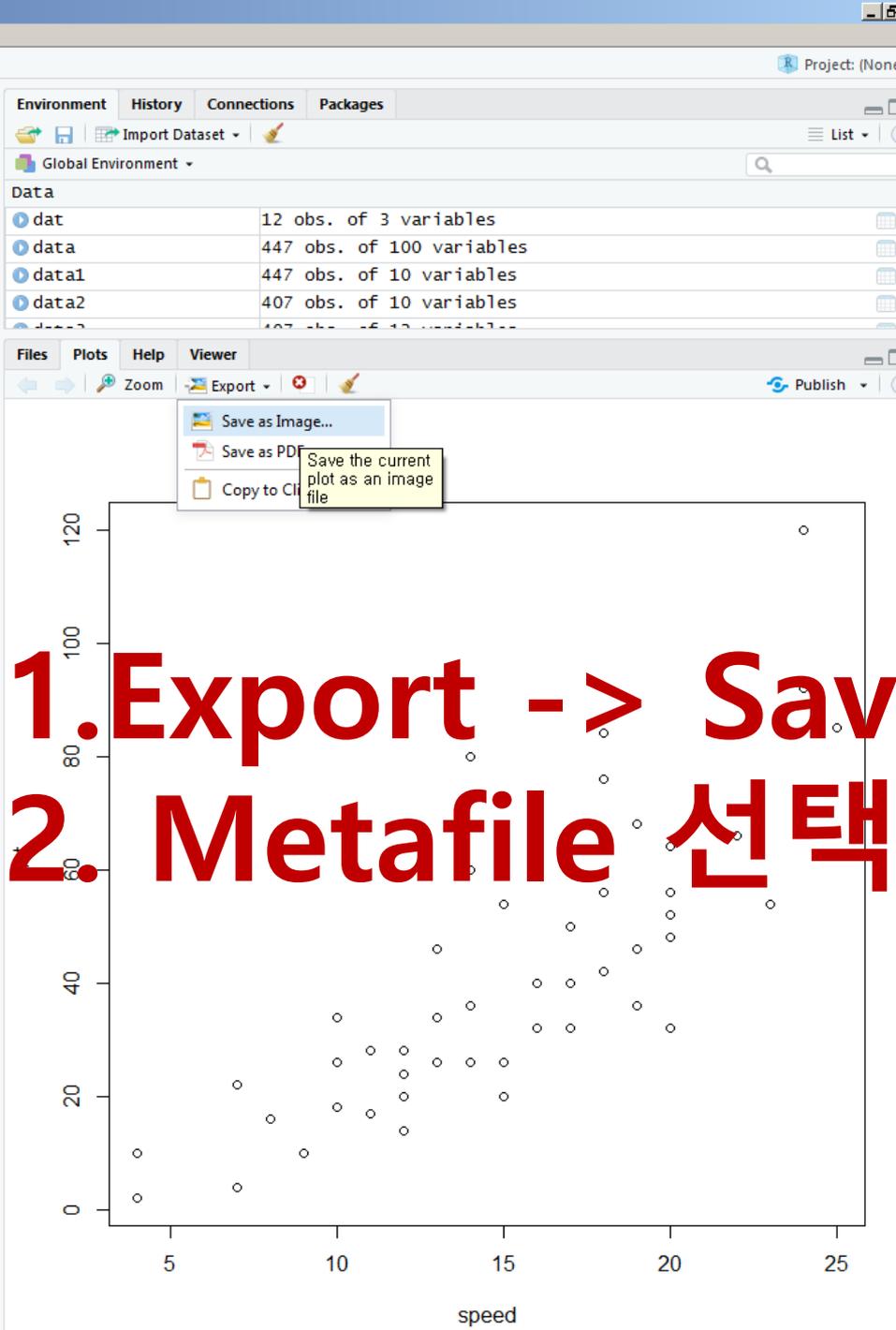
1. 그림 클릭
2. 우클릭, 메타파일

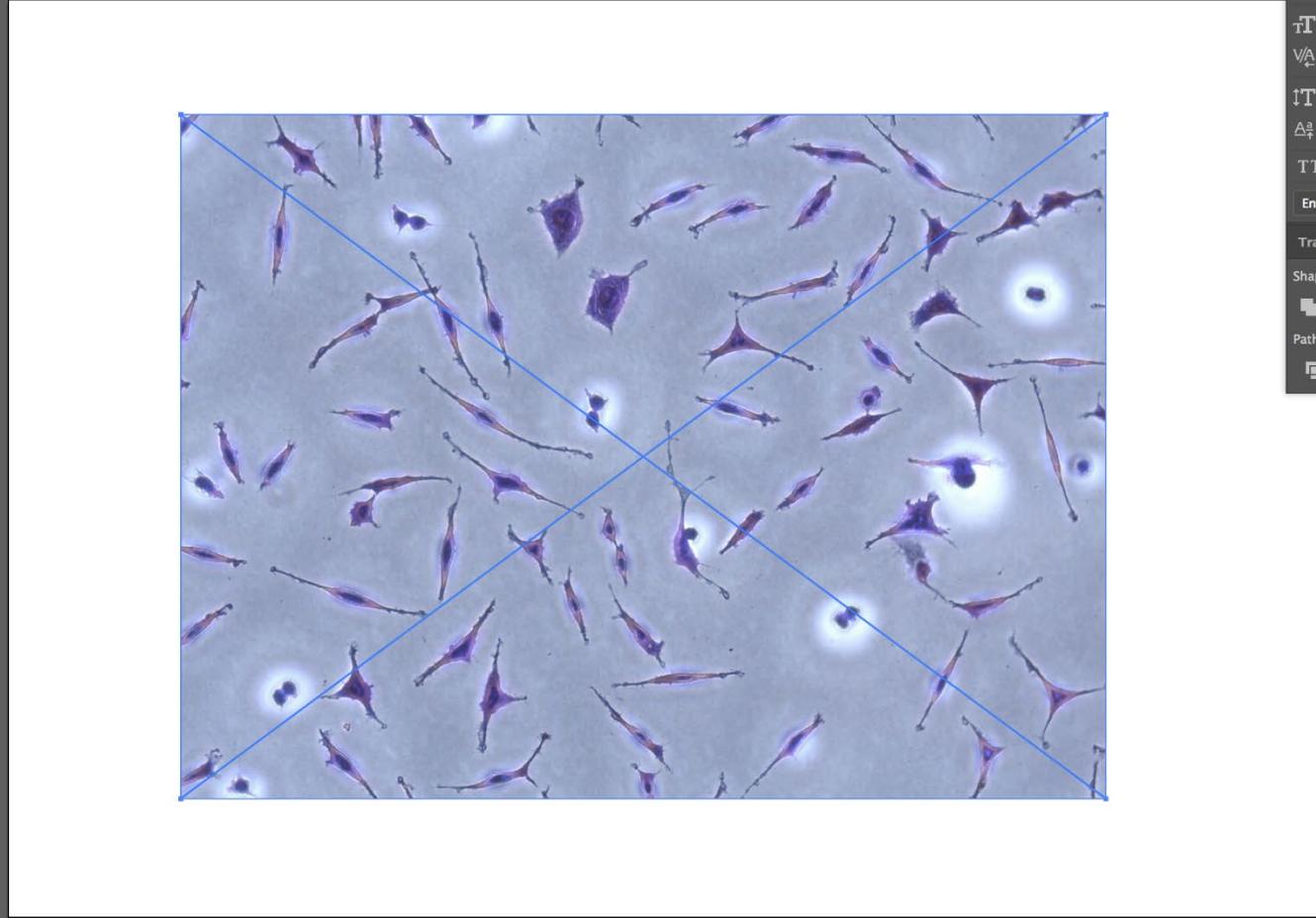
형식으로 저장

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



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





Character Paragraph OpenType

Touch Type Tool

Myriad Pro

Regular

12 pt (14.4 pt)

Auto (0)

100% (100%)

0 pt (0°)

English: UK @a

Transform Pathfinder Align

Shape Modes: Expand

Pathfinders:

Color Color Guide

R 23 G 114 B 255 # 1772FF

Swatches Brushes

Stroke Gradient Transparency

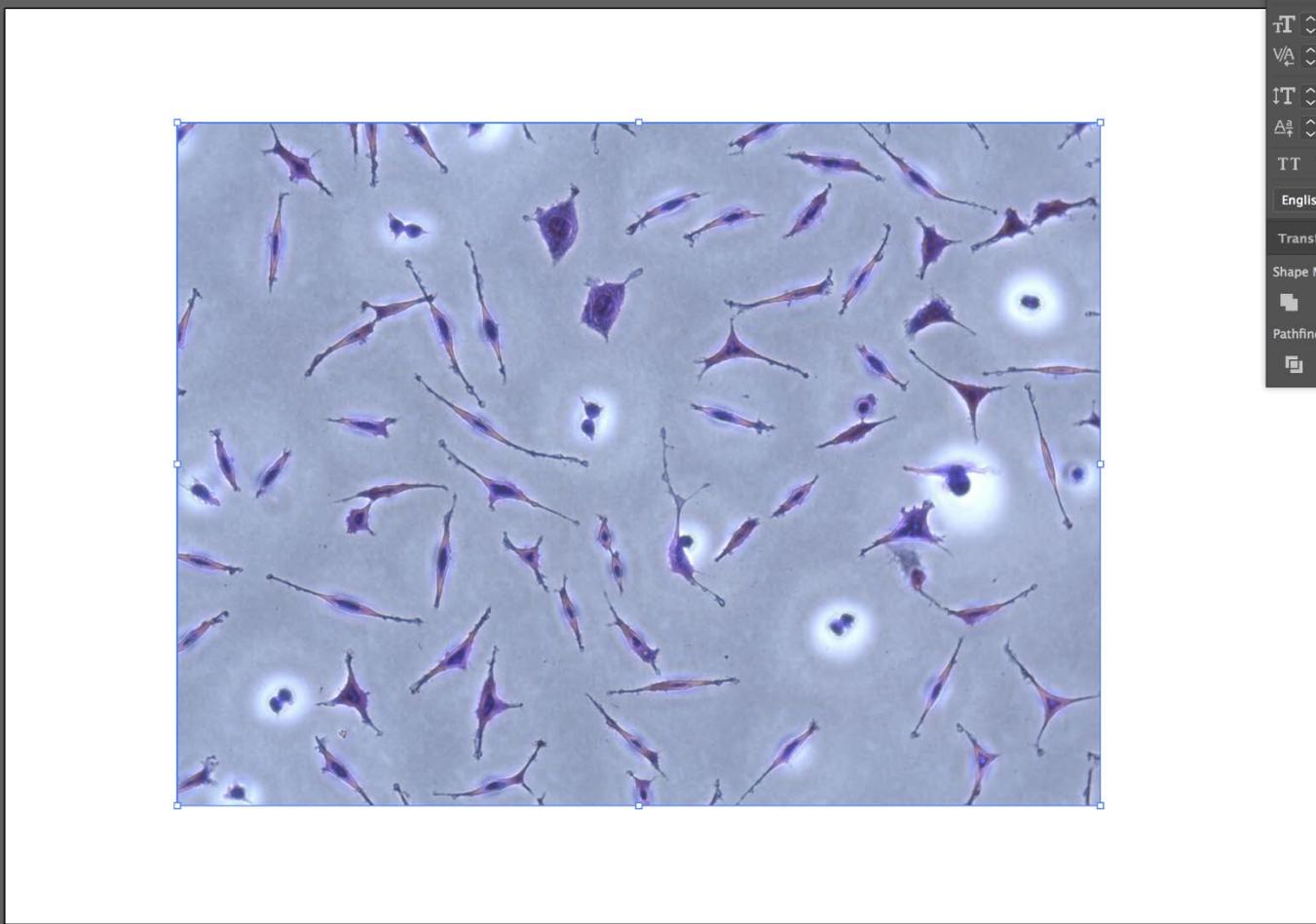
Normal Opacity: 100%

Make Mask Clip Invert Mask

Libraries Appearance Graphic Style

Asset Export Layers Artboards

1 Artboard 1



Character Paragraph OpenType

Touch Type Tool

Myriad Pro

Regular

12 pt (14.4 pt)

Auto (0)

100% (100%)

0 pt (0°)

English: UK @a

Transform Pathfinder Align

Shape Modes: Expand

Pathfinders:

Color Color Guide

R G B #

Swatches Brushes

Basic

Stroke Gradient Transparency

Normal Opacity: 100%

Make Mask

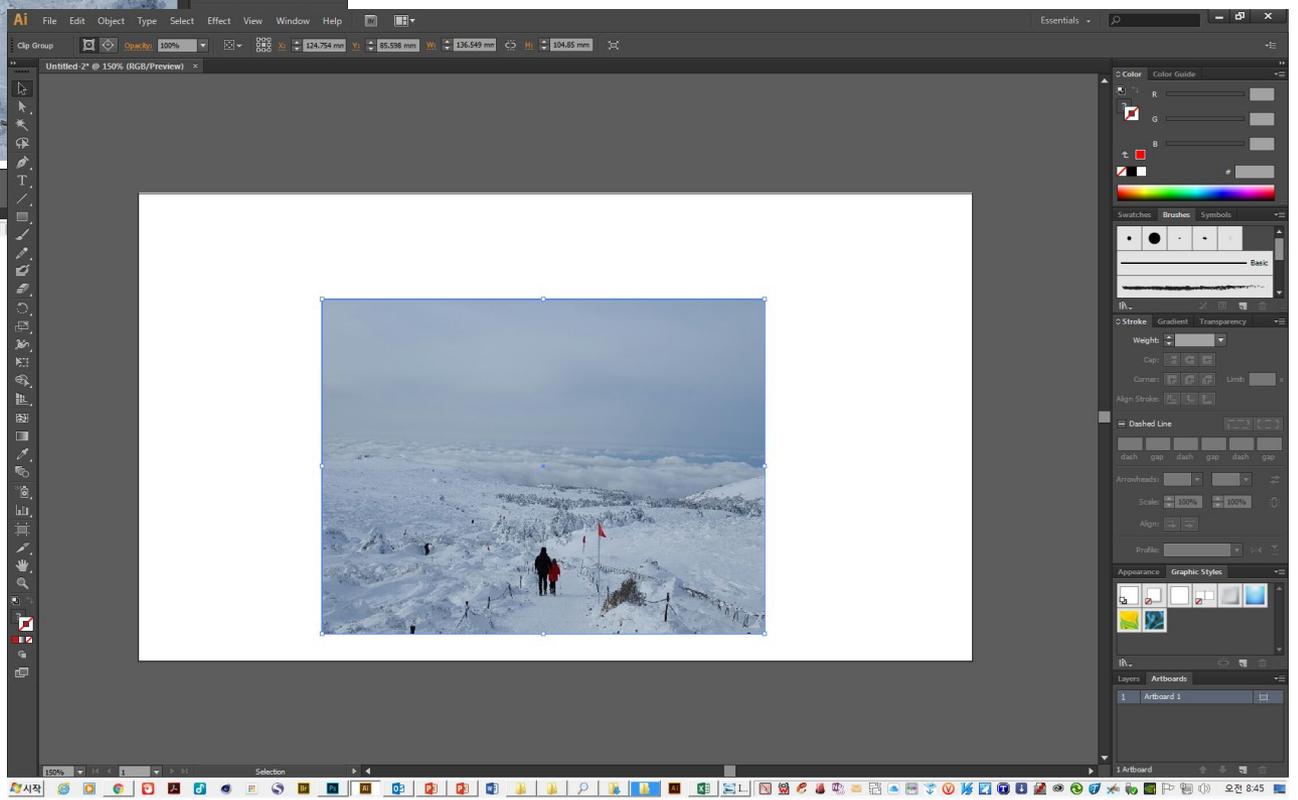
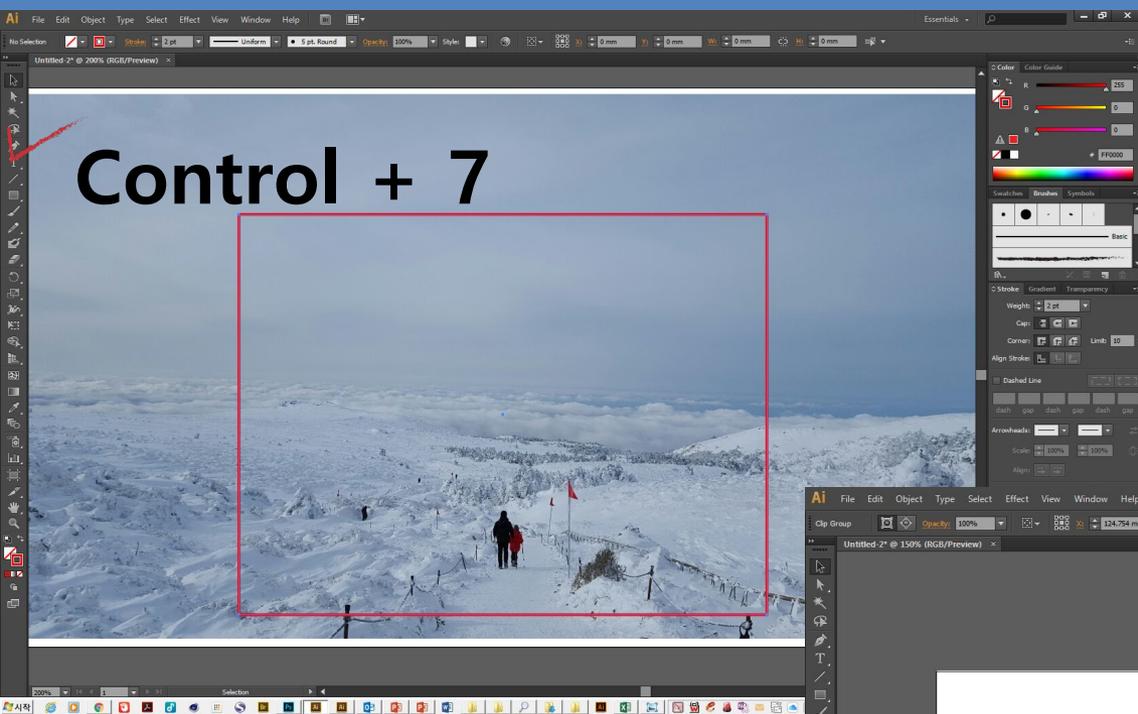
Clip Invert Mask

Libraries Appearance Graphic Style

Asset Export Layers Artboards

1 Artboard 1

Clipping Mask 기능 및 Align



- 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:

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
0° 0°

Stroke Brushes Gradient Transparency

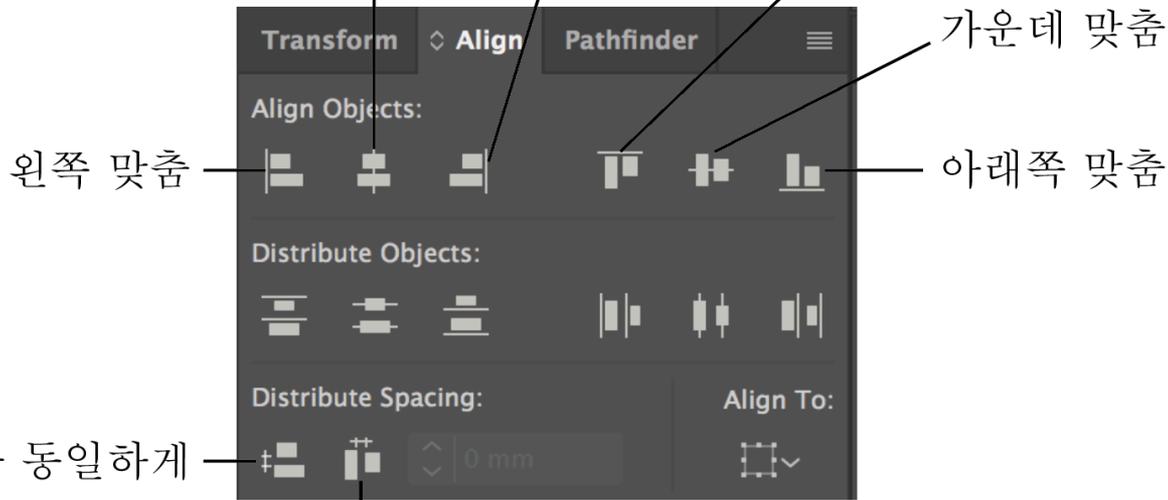
Appearance Graphic Styles

Layers Artboards

Layer 1



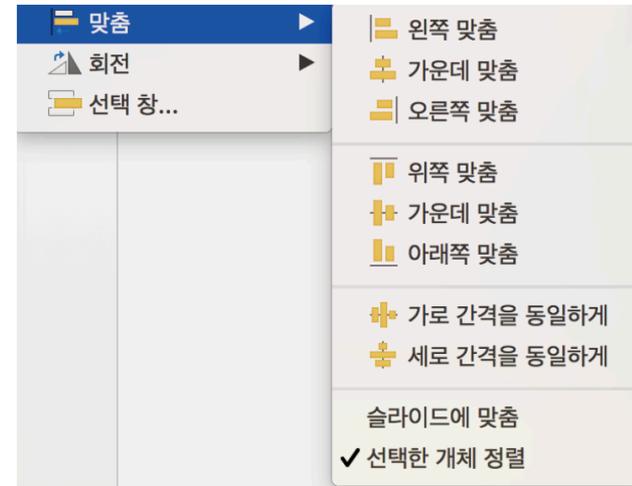
가운데 맞춤 오른쪽 맞춤 위쪽 맞춤

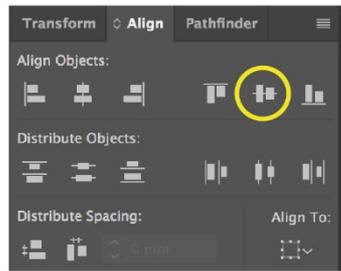
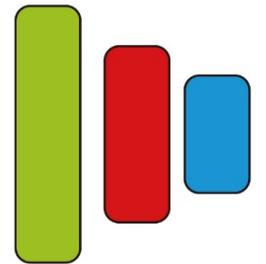
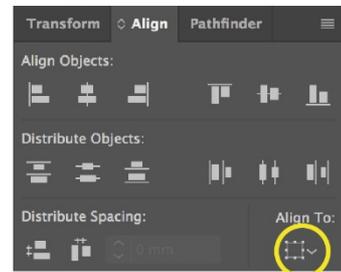
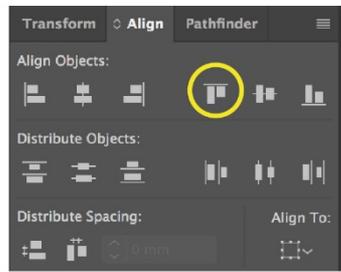
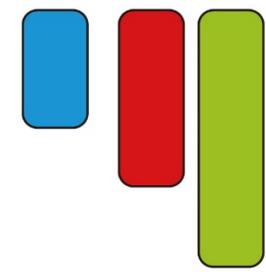
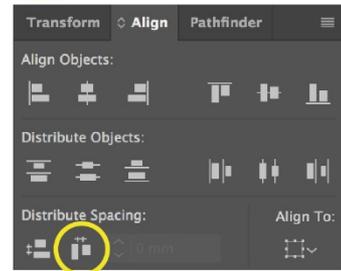
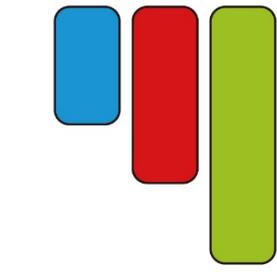
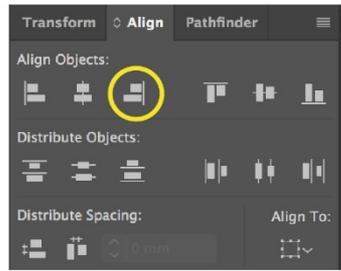
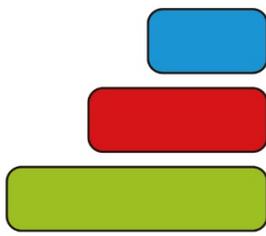
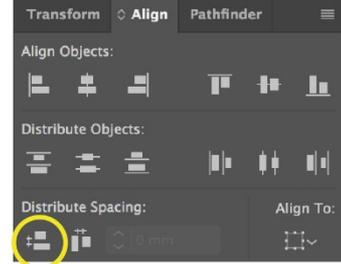
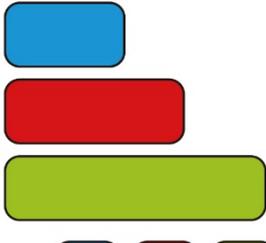
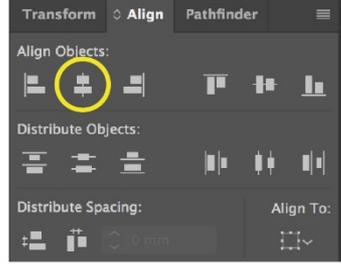
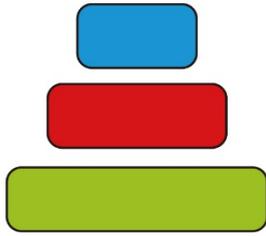
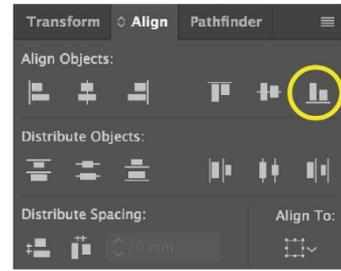
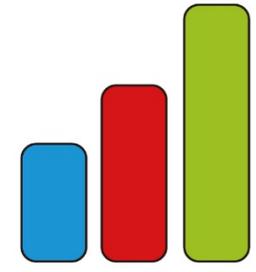
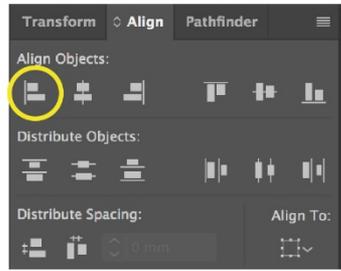
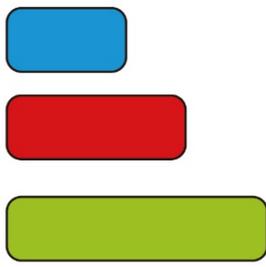


가로 간격을 동일하게

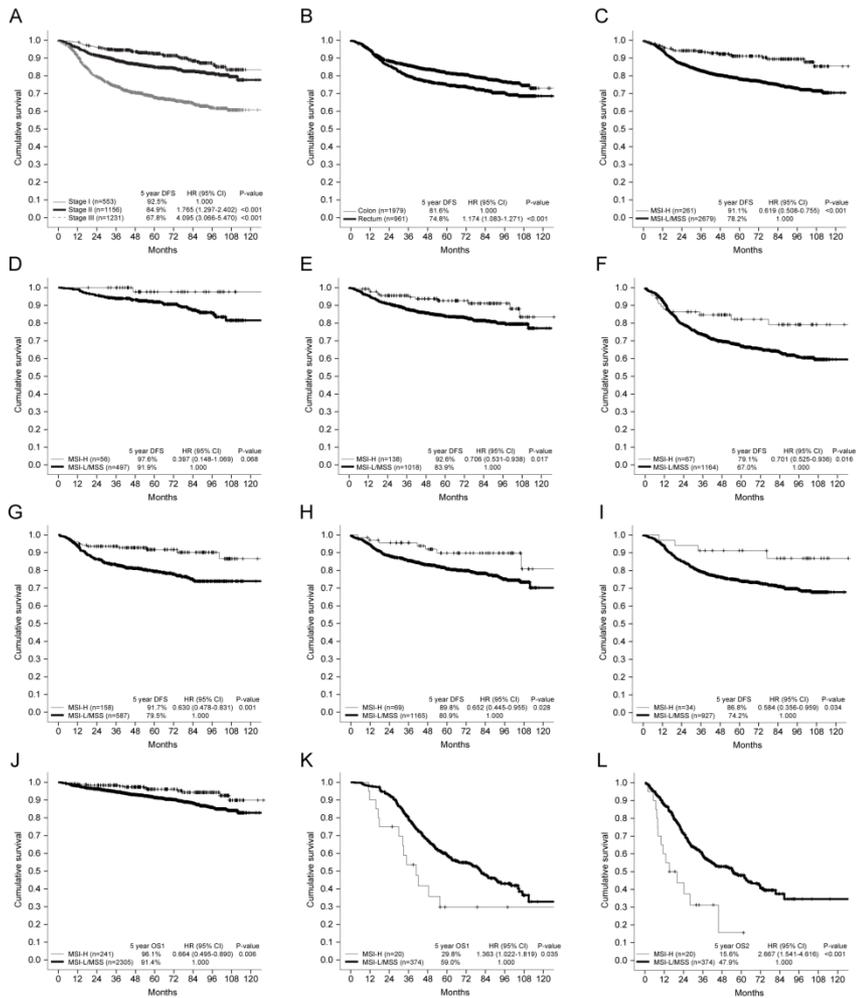


홈 → 정렬

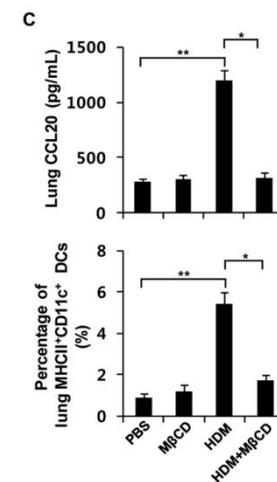
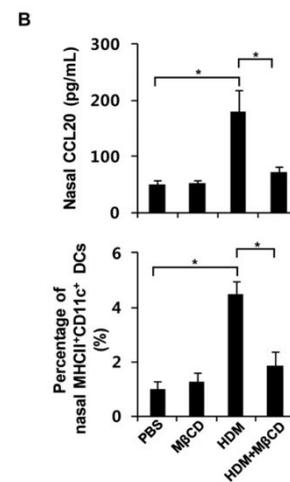
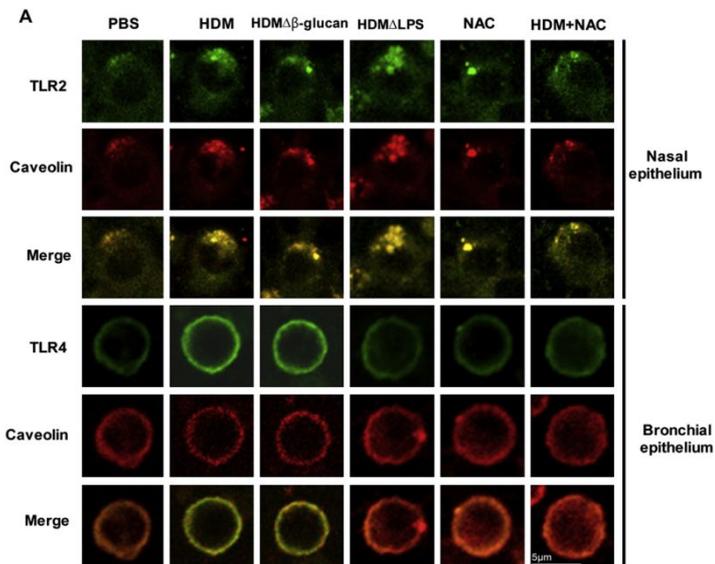


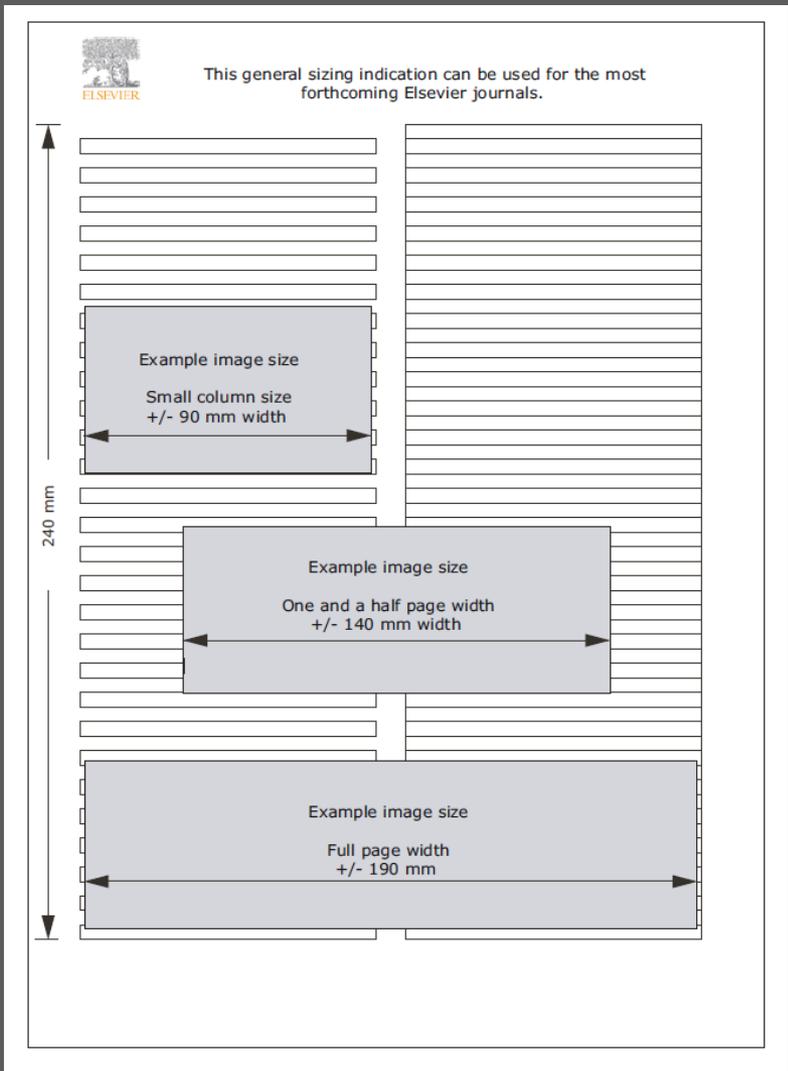


A Type



B Type





90 mm
3.54 in

95.25 mm
3.75 in

140 mm
5.5 in

190mm
7.5 in

Color Color Guide

R 35
G 31
B 32
231F20

Transform Swatches Symbols

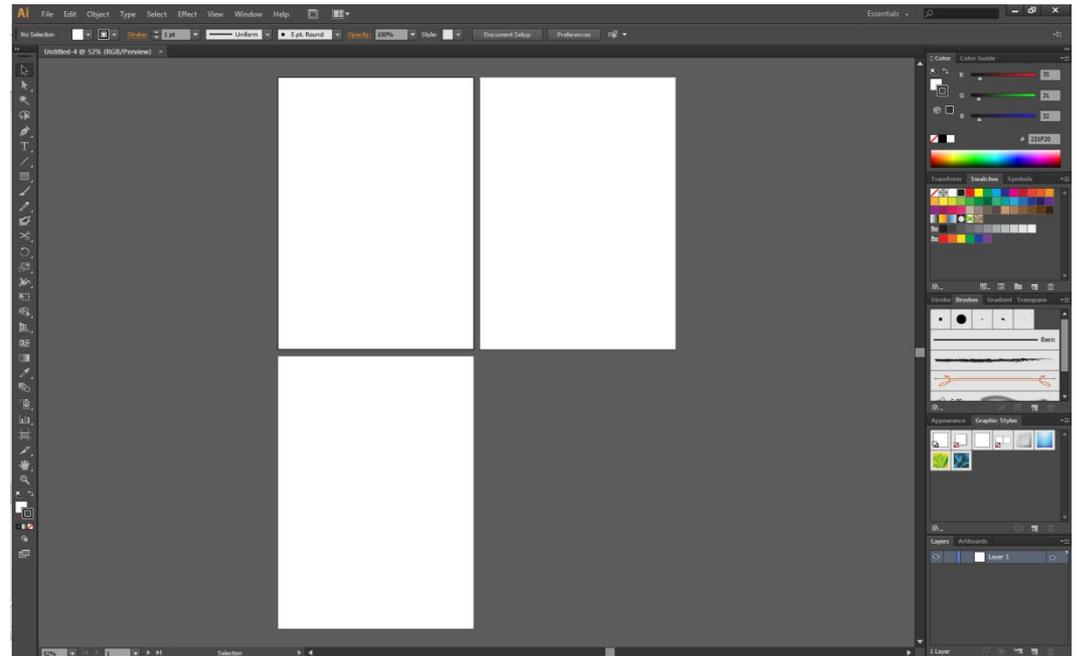
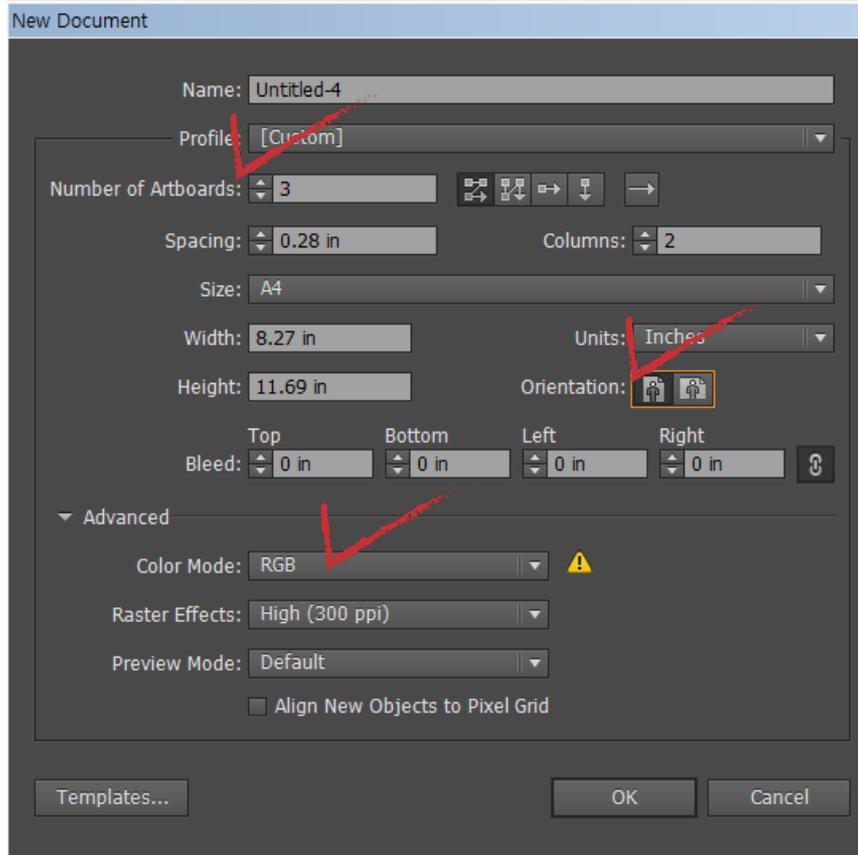
Stroke Brushes Gradient Transpare

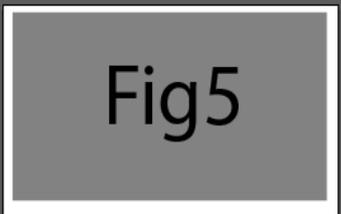
Appearance Graphic Styles

Layers Artboards

Layer 1

Figure 크기와 논문형식에 맞춰 Artboards 크기조절





Character Paragraph OpenType

Myriad Pro
Regular

12 pt [14.4 pt]
100% 100%
(0) 0

0% Auto Auto

0 pt 0°

English: USA Sharp

Transform Align Pathfinder

Align Objects:

Distribute Objects:

Distribute Spacing: 2 mm

Align To:

Color Color Guide

K 100 %

Swatches Brushes Symbols

Basic

Stroke Gradient Transparency

Weight: Cap: Corner: Limit: x

Align Stroke:

Dashed Line dash gap dash gap dash gap

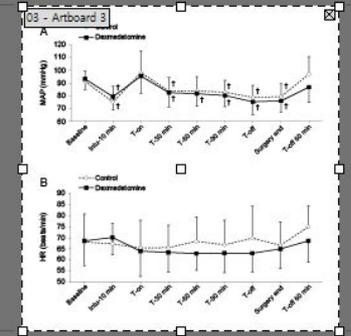
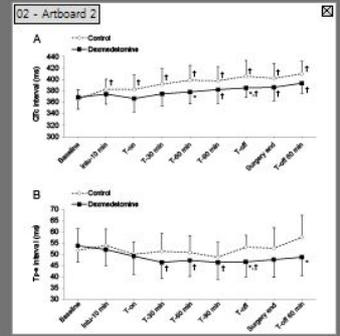
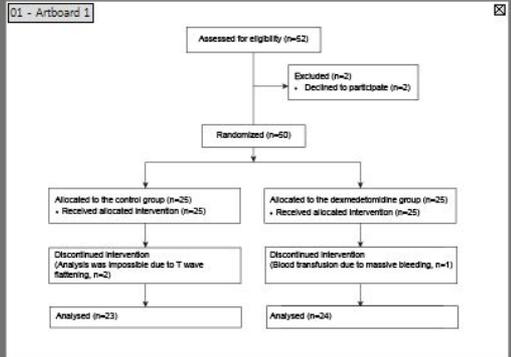
Arrowheads: Scale: 100% 100% Align: Profiles:

Layers Artboards Graphic 5 Appearance

1	Artboard 1	
2	Artboard 2	
3	Artboard 3	
4	Artboard 4	
5	Artboard 5	

5 Artboards

160206_김나영_김소연.ai* @ 66.67% (RGB/Preview)



Color Guide

R: _____

G: _____

B: _____

Swatches Brushes Symbols

Basic

Stroke Gradient Transparency

Weight: _____

Cap: _____

Corner: _____ Limit: _____

Align Stroke: _____

Dashed Line

dash gap dash gap dash gap

Arrowheads: _____

Scaler: 100% 100%

Align: _____

Profiles: _____

Appearance Graphic Styles

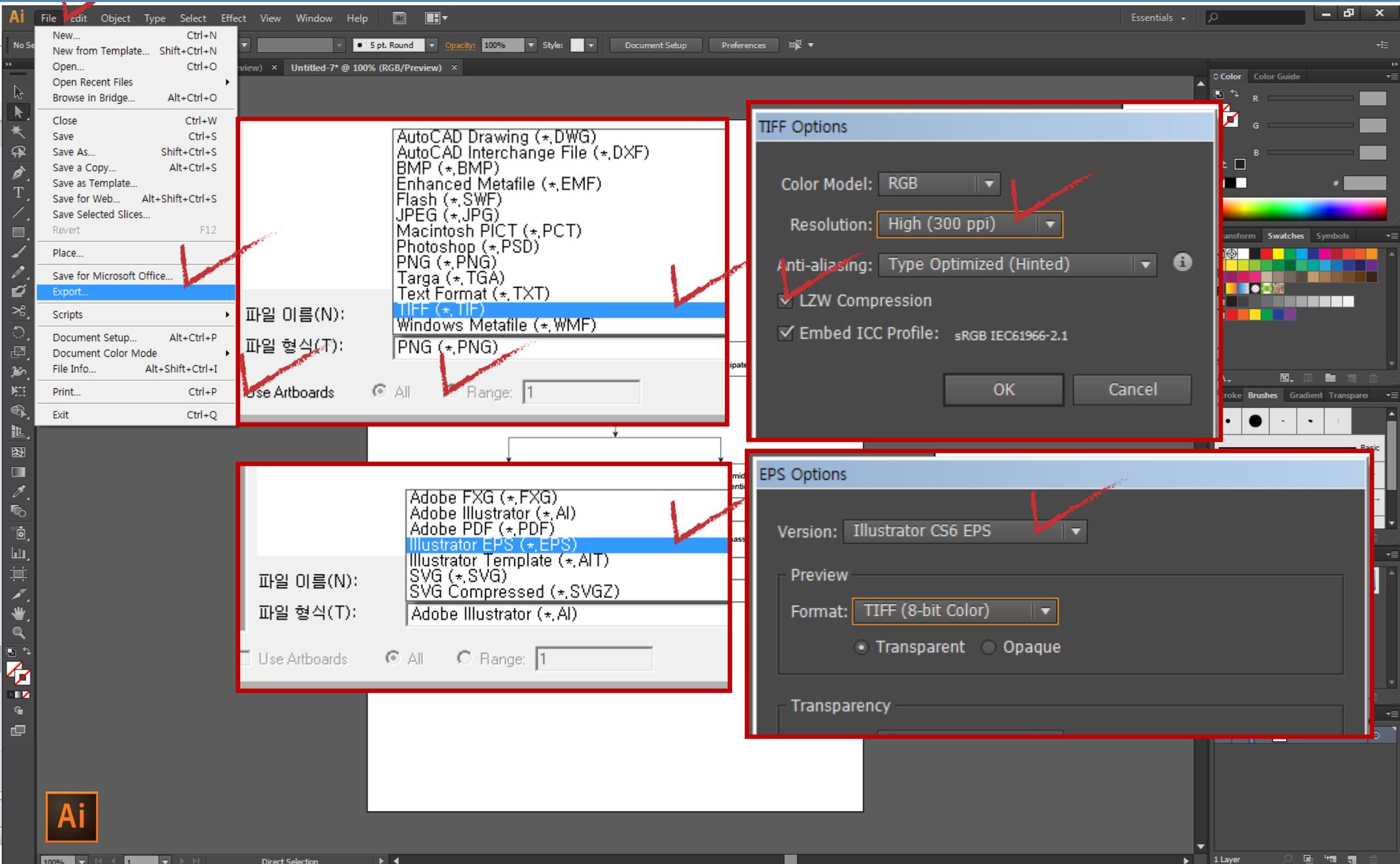
Layers Artboards

1 Artboard 1

2 Artboard 2

3 Artboard 3

Tiff, eps 또는 PDF 변환



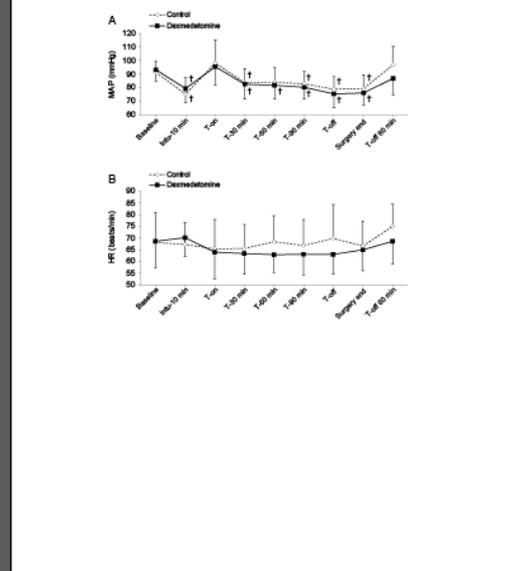
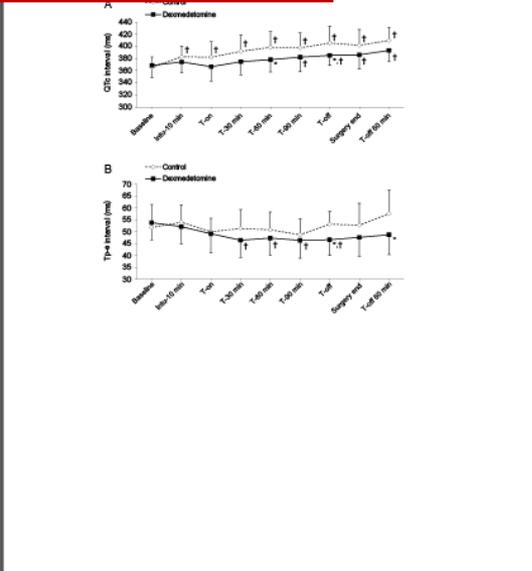
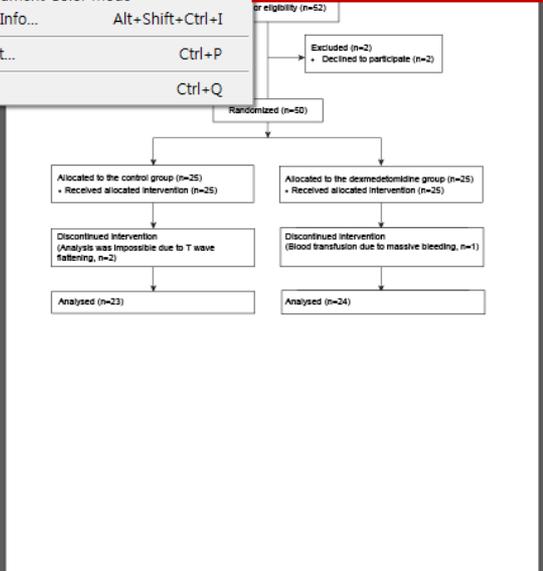
- New... Ctrl+N
- New from Template... Shift+Ctrl+N
- Open... Ctrl+O
- Open Recent Files
- Browse in Bridge... Alt+Ctrl+O
- Close Ctrl+W
- Save Ctrl+S
- Save As... Shift+Ctrl+S
- Save a Copy... Alt+Ctrl+S
- Save as Template...
- Save for Web... Alt+Shift+Ctrl+S
- Save Selected Slices...
- Revert F12
- Place...
- Save for Microsoft Office... Export...
- Scripts
- Document Setup... Alt+Ctrl+P
- Document Color Mode
- File Info... Alt+Shift+Ctrl+I
- Print... Ctrl+P
- Exit Ctrl+Q

파일 이름(N):

파일 형식(T):

Use Artboards All Range: 1-3

Adobe FXG (*.FXG)
 Adobe Illustrator (*.AI)
 Adobe PDF (*.PDF)
 Illustrator EPS (*.EPS)
 Illustrator Template (*.AIT)
 SVG (*.SVG)
 SVG Compressed (*.SVGZ)
 Adobe Illustrator (*.AI)



Color Color Guide

R 35
G 31
B 32
231F20

Transform Swatches Symbols

Stroke Brushes Gradient Transpare

Appearance Graphic Styles

Layers Artboards

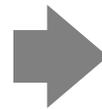
Layer 1



PPT



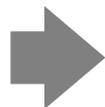
PSD



Tiff



PPT 정리

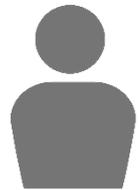
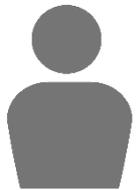
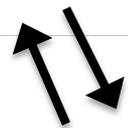
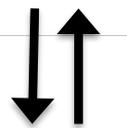
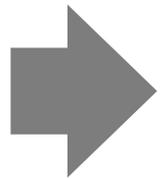


Tiff & eps

Eps, wmf,
emf, 기타 파일 보관



Adobe Creative Cloud





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