KoreaMed Synapse 이미지 요청사항

XMLink 연구개발팀 이남영





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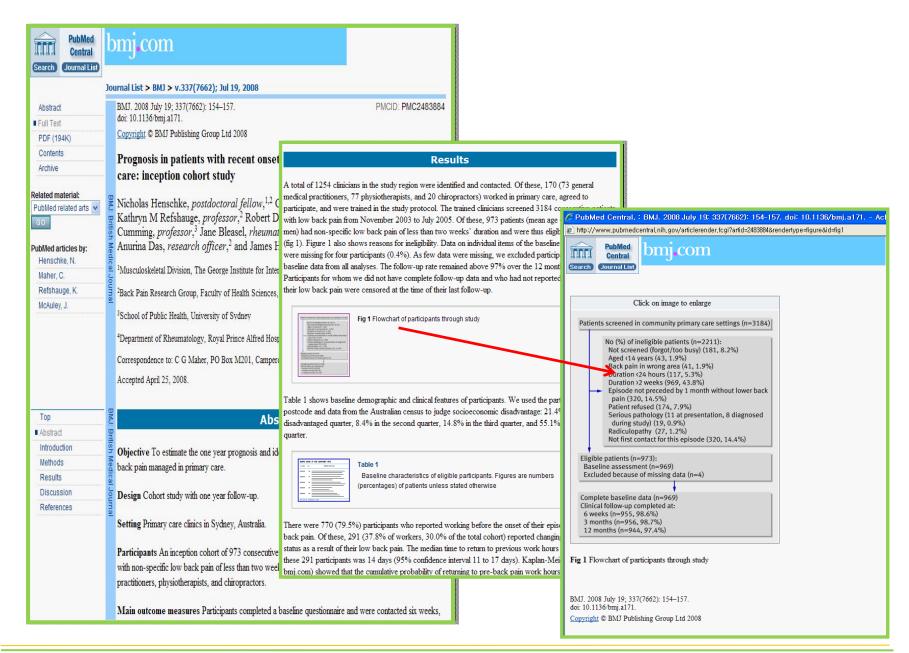




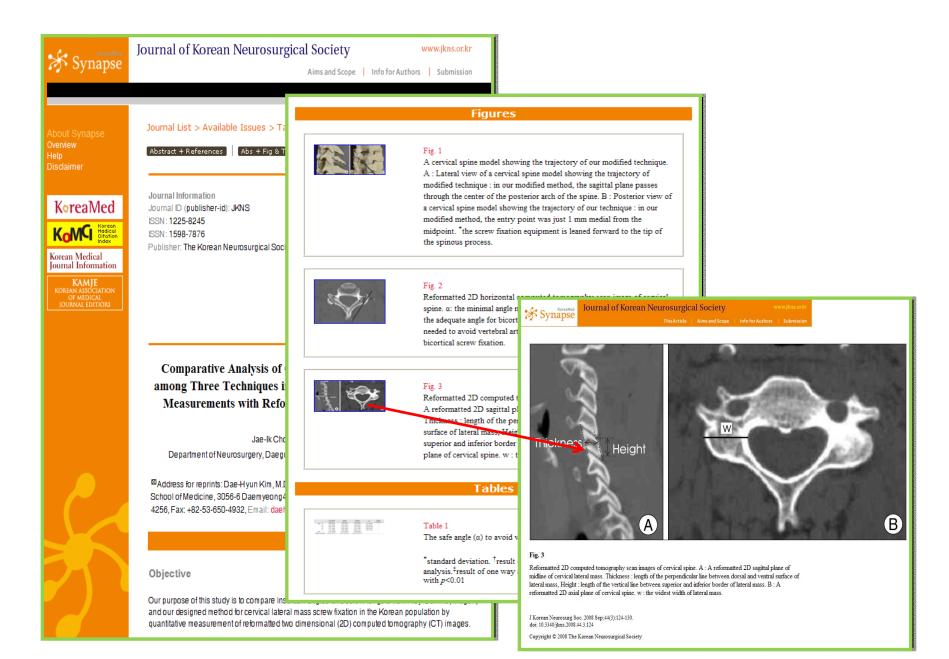
PubMed Central/Synapse 소개















PubMed Central 소개

- 미국 NLM/NIH
- free digital archive of biomedical and life sciences journal literature
- Full-text search & viewing
- true digital counterpart to NLM's extensive collection of print journals
- PMC requires the normalized output, which is high-resolution, and of sufficient width and quality to be considered archival.





PubMed Central 소개

- 현재 전세계 주요 학술지 약 500여종
- 현재 PMC 등재를 추진하는 KoreaMed 학술지는 10종
 - PMC Agreement 완료: 5종
 - J Korean Med Sci
 - J Korean Neurosurg Soc
 - Korean J Parasitol
 - Korean J Radiol
 - Korean J Ophthalmol





PubMed Central 소개

- TEST 중: 2종
 - Yonsei Med J
 - J Educ Eval Health Prof
- TEST 준비 중:3종
 - Clin Exp Otorhinolaryngol
 - Exp Mol Med
 - Korean J Intern Med





Synapse 소개

- 대한의학학술지편집인협의회 (KAMJE)에서 2007년 11월 부터 서비스 시작
- 국내 의학학술지에 대하여 PMC와 같은 기능을 수행
- 영문 MEDLINE 학술지는 PMC와 동일 -Full-text 제공
- 한글로 발행하는 학술지
 - -논문에 대한 서지정보, 초록, 표와 그림, 참고문헌을 영문으로 구축







Synapse Journals

Find Journals

Search by part or all of a journal name

As of October 21, 2008, there are 29 journals.

ALL A-I J K L-Z

- Clinical and Experimental Otorhinolaryngology Clin Exp Otorhinolaryngol | 1976-8710
- Experimental and Molecular Medicine Exp Mol Med | 1226-3613
- Infection and Chemotherapy Infect Chemother | 1598-8112
- Journal of Clinical Neurology J Clin Neurol | 1738-6586
- Journal of Educational Evaluation for Health Professions J Educ Eval Health Prof | 1738-1339
- Journal of Gynecologic Oncology J Gynecol Oncol | 2005-0380
- Journal of Korean Endocrine Society J Korean Endocr Soc | 1015-6380
- Journal of Korean Medical Science J Korean Med Sci | 1011-8934
- Journal of Korean Neurosurgical Society J Korean Neurosurg Soc | 1225-8245
- Journal of Preventive Medicine and Public Health J Prev Med Public Health | 1975-8375
- Journal of the Korean Academy of Nursing J Korean Acad Nurs | 1598-2874
- Journal of the Korean Ophthalmological Society J Korean Ophthalmol Soc | 0378-6471
- The Journal of the Korean Society for Therapeutic Radiology and Oncology J Korean Soc Ther Radiol Oncol | 1229-8719
- Journal of the Korean Society of Coloproctology J Korean Soc Coloproctol | 1015-6399
- Journal of the Korean Society of Pediatric Nephrology J Korean Soc Pediatr Nephrol | 1226-5292
- The Korean Journal of Cytopathology Korean J Cytopathol | 1017-0391
- Korean Journal of Gynecologic Oncology Korean J Gynecol Oncol | 1738-6543
- The Korean Journal of Hepatology Korean J Hepatol | 1226-0479
- The Korean Journal of Internal Medicine Korean J Intern Med | 1226-3303
- The Korean Journal of Laboratory Medicine Korean J Lab Med | 1598-6535
- Korean Journal of Medical Education Korean J Med Educ | 1227-8067
- Korean Journal of Ophthalmology Korean J Ophthalmol | 1011-8942
- The Korean Journal of Orthodontics Korean J Orthod | 1225-5610
- Korean Journal of Otorhinolaryngology Head and Neck Surgery Korean J Otorhinolaryngol Head and Neck Surg | 1225-035X
- The Korean Journal of Pain Korean J Pain | 1226-2579
- The Korean Journal of Parasitology Korean J Parasitol | 0023-4001
- Korean Journal of Pediatrics Korean J Pediatr | 1738-1061
- Korean Journal of Radiology Korean J Radiol | 1229-6929
- Yonsei Medical Journal Yonsei Med J | 0513-5796

현재 27종의 학술지가 참여





PMC File Requirements





Image File Requirements

File Format Requirements

- Uncompressed high-resolution TIFF or EPS files are required for all images.
 - See preferred file specification.
- · All files must be cross-platform compatible.
- Do not include thumbnail versions of any full size images that are deposited in PMC.
- . It is essential that graphics be legible throughout all submissions.

Font Requirements

The files in the PMC archive must be portable. Copyright and ownership issues aside, other archives must be able to read them, as necessary, without special software or tools. Therefore EPS or TIFF images need to be formatted in one of the following ways:

- . Fully Embed the non-standard fonts in the image file, Or
- · Convert the text to curves and rasterize

Figure Graphics

· Image quality specifications chart

Tables and Equations as Graphics

If equations cannot be encoded in MathML, submit them in TIFF or EPS format as discrete files (i.e., a file containing only the data for one equation). Only when tables cannot be encoded as XML/SGML can they be submitted as graphics. If this method is used, it is critical that the font size in all equations and tables is consistent and Legible throughout all submissions.

- · Suggested Equation Extraction Method
- PMC Table Specifications
- PMC Equation Specifications

Naming Graphics and Supplementary Files:

jour-vol-pg-typ.ext is the PMC naming convention for GRAPHICS and SUPPLEMENTARY DATA files

jour, vol, pg, and ext are the same as above.

typ is NOT to be used with full-text article XML or PDFs, is optional, and indicates one of the following:

- -g figure graphic + alphanumeric identifier
- -i inline graphic + alphanumeric identifier
- -s supplementary data file + alphanumeric identifier
- e equation + alphanumeric identifier

http://www.pubmedcentral.nih.gov/about/PMC_Filespec.html





PMC Article Data File Naming

• 파일명

```
XML: 저널 약어명-Vol-시작페이지.xml
jkns-41-161.xml, kjo-21-48.xml, ymj-49-530.xml
PDF: 저널 약어명-Vol-시작페이지.pdf
jkns-41-161.pdf, kjo-21-48.pdf, ymj-49-530.pdf
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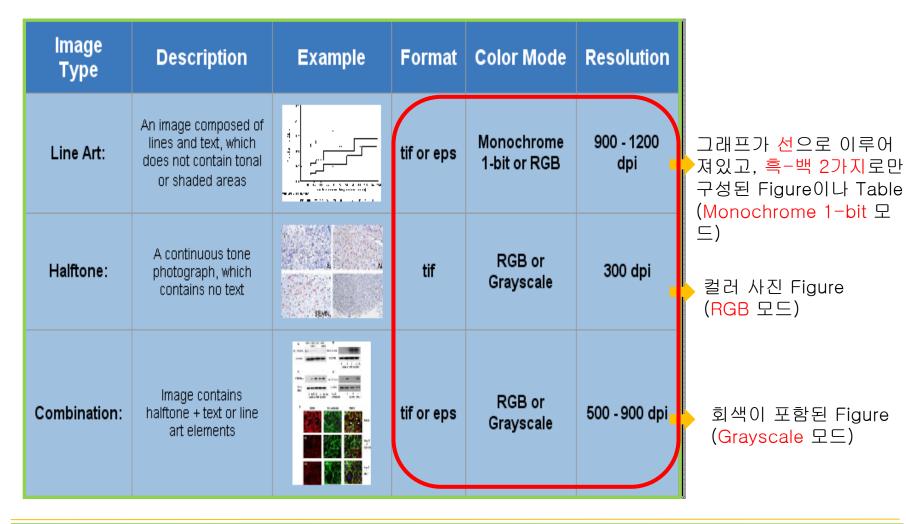
```
Images: 저널 약어명-Vol-시작페이지-figure번호(g001) or Table 번호(i001).tif
jkns-41-161-g001.tif, kjo-21-48-i001.tif, ymj-49-530-i001.tif
```

- 그래픽 & 부록 파일명 부여방법 (Jour-vol-pg-typ.ext)
 - -g figure graphic + alphanumeric identifier
 - -i inline graphic + alphanumeric identifier
 - -s supplementary data file + alphanumeric identifier
 - –e equation + alphanumeric identifier
 - -a appendix + alphanumeric identifier





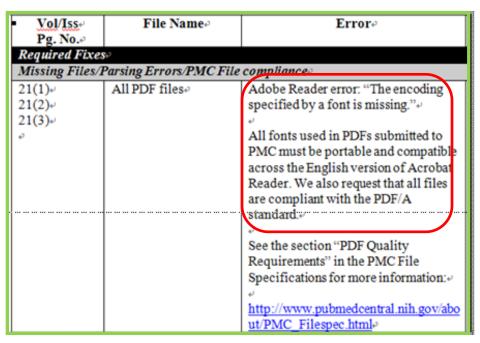
PMC image quality specifications chart







PDF에서 문자가 깨지는 문제



PMC Error Report

Adobe Reader error: "The encoding specified by a font is missing." All fonts used in PDFs submitted to PMC must be portable and compatible across the English version of Acrobat Reader. We also request that all files are compliant with the PDF/A standard.



이미지 해상도 문제

21(1)+ 21(2)+ 21(3)+ +	Multiple image files	Some images were submitted below intended display size; some images submitted at lower resolution than desirable.
		Please refer to the PMC file specifications for more information about image file format requirements: http://www.pubmedcentral.nih.gov/about/PMC_Filespec.hml

PMC Error Report

Some images were submitted below intended display size; some images submitted at lower resolution than desirable.



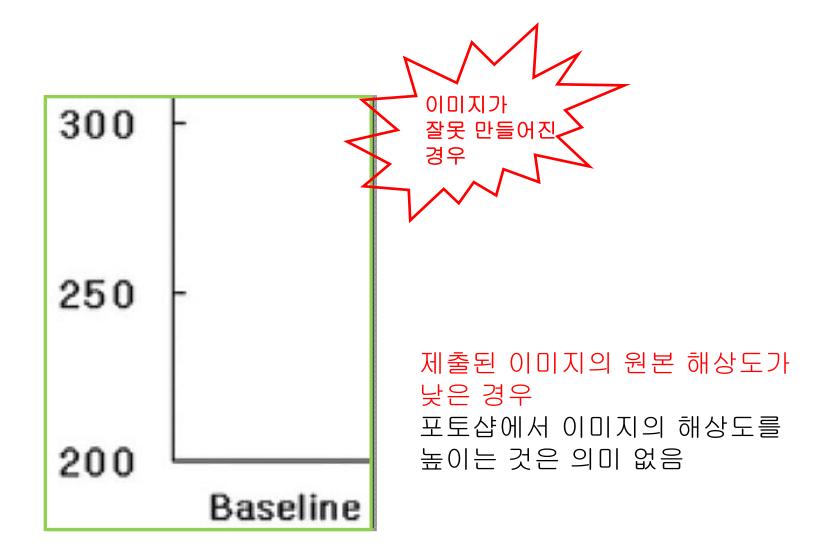


회색이 포함된 Figure이기 때문에 Grayscale 모드여야 함













Synapse File Requirements





Figures



Fig. 1

Studies of a 59-yr-old male patient. While radiologic findings suggested a malignant distal common bile duct stricture, PTCS and biopsy findings revealed a benign stricture. (A) MRCP image showing abrupt and asymmetric narrowings. (B) ERCP image showing abrupt and asymmetric narrowings. (C) PTCS image showing no tumor vessel or mucosal abnormality.



Fig. 2

Studies of a 64-yr-old male patient. While radiologic findings suggested a benign stricture, PTCS imaging showed hyperemic mucosa and tumor vessels, and PTCS-guided biopsy data revealed an adenocarcinoma. (A, B) CT image showing no wall thickening or enhancement. (C) MRCP image showing gradual narrowing and symmetric narrowing. (D) Percutaneous transhepatic cholangiogram image showing gradual narrowing and smooth narrowing. (E) PTCS image showing hyperemic mucosa and tumor vessels in the distal common bile duct.

Tables



Table 1

Pasetine characteristic in the malignant and benign groups

*, Distal common bile duct stricture was found by radiologic imaging on health inspection.



Table 2

Initial laboratory results in malignant and benign groups

AST, aspartate transaminase; ALT, alkaline transaminase; GGT, gamma glutamyl transpeptidase; CEA, carcinoembryonic antigen.



Table 1 Baseline characteristic in the malignant and benign groups

	Malignant group (n=35)	Benign group (n=60)	
Age (yr)	66±9.8	61 ± 10.5	
Gender (M:F)	22:13	45:15	
Clinical manifestation			
Jaundice	26	10	
Abdominal pain	5	26	
Fever	3	7	
Imaging abnormality*	1	16	
Previous operation history			
Biliary tract surgery	3	28	
Stomach surgery	10	22	
None	23	18	

*, Distal common bile duct stricture was found by radiologic imaging on health inspection.

J Korean Med Sci. 2008 Aug;23(4):579-585. doi: 10.3346/jkms.2008.23.4.579

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Synapse에 보내야 할 파일

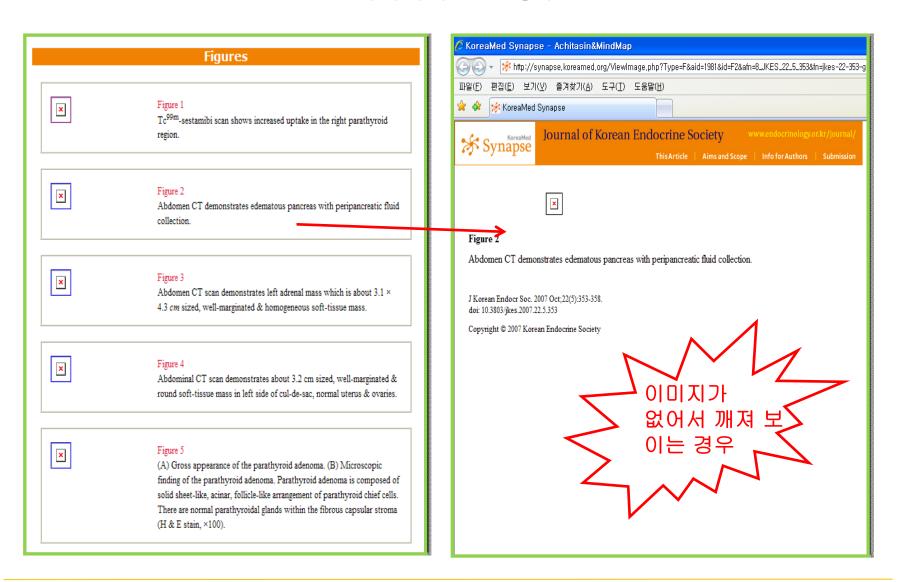
- Images
- -Figures와 Tables
 - -Large (jpg, 원본크기, 해상도 145 dpi)
 - -Thumbnail (jpg, 해상도 72 dpi, width 100 pixel)
- PDF
 - -긁혀야 할 것
- 인쇄본 학술지
 - -발행 즉시 의편협으로 2부 보낼 것
 - -학술지 출판과 동시에 혹은 그 이전에 작업을 원한다면

PDF 출력물을 가능한 빨리 보낼 것

Online early publication

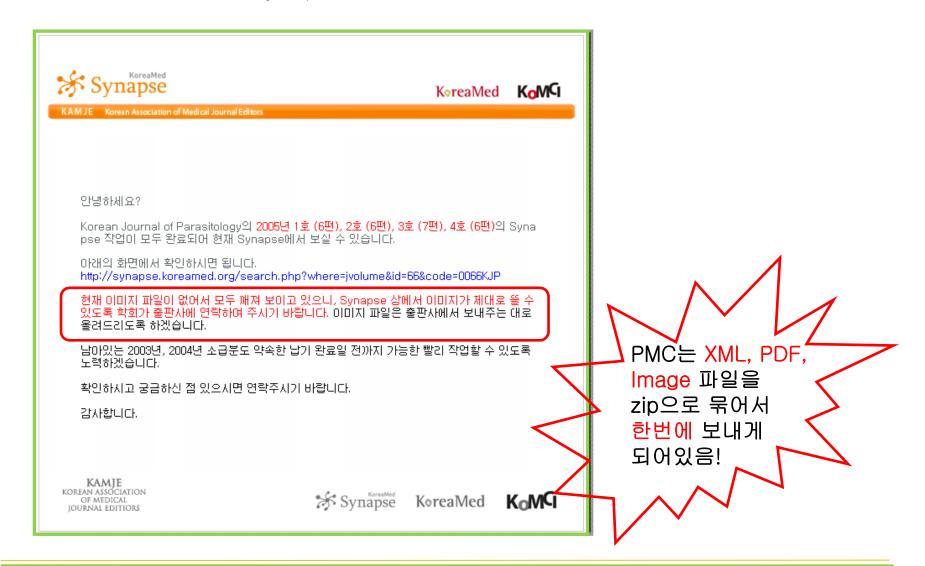


이미지가 없는 경우





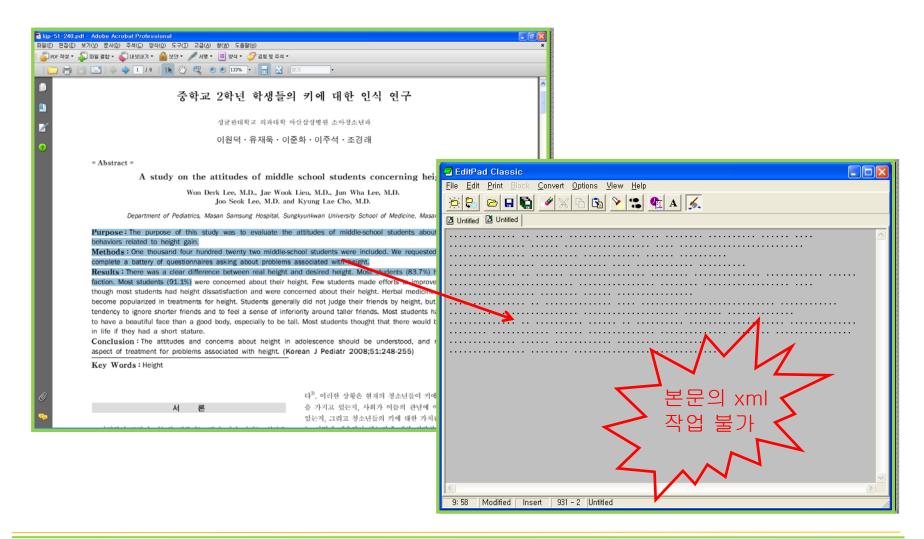
Synapse 작업 완료 후 보내는 e-mail







긁히지 않는 PDF







Large 이미지 만들기

- PDF 파일을 포토샵에서 연다.
- 폭 (W) / 높이 (H)는 그대로 유지하고 해상도는 145 dpi, 모드는 RGB로 선택한다.

일반 PDF 포맷 레스터화				
┌ 이미지 크기: 5.81M	승인			
폭(<u>W</u>): 20.99	센티미터	~ 7®	취소	
높이(<u>H</u>): 29.7	센티미터			
해상도(<u>R</u>): <mark>145</mark>	픽셀/인치	~		
모드: RGB 색상		~		
☑ 앤티 앨리어스(<u>A</u>)				





Large 이미지 만들기

• Label 과 Caption 및 foot-note 등은 모두 제외하고 표 혹은 그림만 선택하여 잘라내 기 하여 배경으로 이미지 병합(Flatten Image)을 한 후, 압축 없이 저장한다.

	FFS	No. of patients (%)	Dead (%)	Alive (%)	Hazard ratio
Disease related	0	10 (37)	0 (0)	10 (100)	*
mortality	1	8 (30)	1 (12.5)	7 (87.5)	1.0
	2	9 (33)	3 (33.3)	6 (66.6)	2.66
	Total	27	4 (14.8)	23 (85.1)	-
All mortality	0	10 (37)	2 (20)	8 (80)	1.0
	1	8 (30)	2 (25)	6 (75)	1.25
	2	9 (33)	4 (44.4)	5 (55.6)	2.22
	Total	27	8 (29.6)	19 (71.4)	-



• 파일명은 저널약어-권-논문시작페이지- figure번호(g001) or Table 번호(i001)-I(영 문소문자 "I") 형식으로 저장한다.

jkns-41-161-g001-l.jpg





Thumbnail 이미지 만들기

• 만들어진 Synapse Large 이미지에서 해상도는 72 dpi, 폭(<u>W</u>)은 100으로 설정한다. (이미지 설정 전에 비율제한에 꼭 체크한다)

이미지 크기				×	
┌─ 픽셀 치수: :	17K (1.61MO)	었음)		승인	
폭(<u>W</u>):	100	픽셀	~	재설정	
높미(년):	59	픽셀		자동(<u>A</u>)	
- 문서 크기:					
폭(<u>D</u>):	3.53	센티미터	~		
높미(<u>G</u>):	2.08	센티미터	~ J [®]		
해상도(<u>R</u>):	72	픽셀/인치	~		
☑ 비율 제한(C) ☑ 미미지 리샘플(I): 쌀입방 ☑					

• 파일명은 저널약어-권-논문시작페이지- figure번호(g001) or Table 번호(i001).jpg 형식으로 jpg 이미지로 저장한다.



감사합니다

http://xmlink.kr/



