AB만 남기고 삭제

```
import pandas as pd

# 최종 합쳐진 파일을 데이터프레임으로 읽어옵니다.
final_df = pd.read_csv("C:₩₩항생제 파일₩₩4_항생제처방리스트.csv")

# 'ICD10CD' 열의 값이 'ab'인 행만 남기고 나머지 행을 삭제합니다.
final_df = final_df.query("PRSC_CLS_NM == 'AB'")

# 결과를 CSV 파일로 저장합니다.
final_df.to_csv('C:₩₩항생제 파일₩₩AB만.csv', index=False)

print("CSV 파일이 저장되었습니다.")
```

```
C:₩Users₩khj99₩AppData₩Local₩Temp₩ipykernel_11580₩2709314523.py:4: DtypeWarning: Columns (17) have mixed types. Specify dtype option on import o
  final_df = pd.read_csv("C:₩₩항생제 파일₩₩4_항생제처방리스트.csv")
CSV 파일이 저장되었습니다.
```

품절 항목 삭제 및 생산 중단 약 행 삭제

```
file_path = r'C:₩항생제 파일₩AB만.csv'
data = pd.read_csv(file_path)

# Print unique MD_NM values
unique_md_nm = data['MD_NM'].unique()
for md_nm in unique_md_nm:
    print(md_nm)
```

```
Ambactam inj (일시품절)
Amikacin sulfate 250mg inj
Amikacin sulfate inj
Amikin 250mg inj
Amikin 500mg inj
Ampibactam inj
Augmentin
Avelox inj
Avelox(품절)
Azath dry syr
Banan
Cefixime
Cephamethyl
Cephamethyl(사용중단)
Ciproctan
Ciprofloxacin inj
Citopcin
Citopcin inj 200mg
Citopcin inj 400mg
Clari 250mg
Clari 500mg
Clarithromycin dry syr
Colis inj
Colistimethate inj
Cravit
CRAVIT
Cravit 100mg
Cravit inj 250mg
Cravit inj 500mg
Crericin 250mg
Crericin 500mg
Daptocin inj
Doxycycline
Duricef
Factive inj(사용중단)
Factive(원내 필요시입고)
Flagyl inj
Flomox [원외]
Fullgram
Fullgram inj
Gentamicin inj
Gentamicin inj 국제
Gomcillin
Habekacin inj(생산중단)
Imicil kit inj
Isepamicin inj(생산중단)
Klaricid
Klaricid inj
```

```
Kymoxin
Levofloxacin inj
Levokacin 750mg
Levoplus
Lincocin inj
Lomaxacin
Maxipime inj
Meiact
Minocin
Moroxacin
```

```
# 'MD_NM' 열에서 품절 약 삭제
data['MD_NM'] = data['MD_NM'].str.replace(r'₩(품절₩)|₩(일시품절₩)|₩(장기품절₩)|₩(코드변경₩)', '', regex=True)
data['MD_NM'] = data['MD_NM'].str.replace(r'Moxicle OW.6g inj =>₩(안전성 문제₩) Augmentin OW.6 inj으로 대체', 'Augmentin 0.6 inj')

# 'MD_NM' 열에 생산 중단 약 삭제
data = data[~data['MD_NM'].str.contains('중단')]

# 결과를 CSV 파일로 저장
data.to_csv('C:₩₩항생제 파일₩₩약_일부_삭제.csv', index=False)
```

```
C:₩Users₩khj99₩AppData₩Local₩Temp₩ipykernel_11580₩1518128664.py:3: FutureWarning: The default value of regex will change from True to False in a
  data['MD_NM'] = data['MD_NM'].str.replace(r'Moxicle OW.6g inj =>₩(안전성 문제₩) Augmentin OW.6 inj으로 대체', 'Augmentin 0.6 inj')
```

약 이름 불필요한 것 삭제

```
# Print unique MD_NM values
unique_md_nm = data['MD_NM'].unique()
for md_nm in unique_md_nm:
    print(md_nm)
```

```
Ambactam inj
Amikacin sulfate 250mg inj
Amikacin sulfate inj
Amikin 250mg inj
Amikin 500mg inj
Ampibactam inj
Augmentin
Avelox inj
Avelox
Azath dry syr
Banan
Cefixime
Cephamethyl
Ciproctan
Ciprofloxacin inj
Citopcin
Citopcin inj 200mg
Citopcin inj 400mg
Clari 250mg
Clari 500mg
Clarithromycin dry syr
Colis inj
Colistimethate inj
Cravit
CRAVIT
Cravit 100mg
Cravit inj 250mg
Cravit inj 500mg
Crericin 250mg
Crericin 500mg
Daptocin inj
Doxycycline
Duricef
Factive(원내 필요시입고)
Flagyl inj
Flomox [원외]
Fullgram
Fullgram inj
Gentamicin inj
Gentamicin inj 국제
Gomcillin
Imicil kit inj
Klaricid
Klaricid inj
Kymoxin
Levofloxacin inj
Levokacin 750mg
Levoplus
Lincocin inj
Lomaxacin
Maxipime inj
Meiact
```

```
Minocin
Moroxacin
Moveloxin
Moxicle
Nitrofurantoin [원외]
Omnicef
```

```
data['MD_NM'] = data['MD_NM'].str.replace(r'Amikacin sulfate 250mg inj', 'Amikacin sulfate inj')
data['MD_NM'] = data['MD_NM'].str.replace(r'Amikin 500mg inj', 'Amikin inj')
data['MD_NM'] = data['MD_NM'].str.replace(r'Amikin 250mg inj', 'Amikin inj')
data['MD_NM'] = data['MD_NM'].str.replace(r'Citopcin inj 200mg', 'Citopcin inj')
data['MD_NM'] = data['MD_NM'].str.replace(r'Citopcin inj 400mg', 'Citopcin inj')
data['MD_NM'] = data['MD_NM'].str.replace(r'Clari 250mg', 'Clari')
data['MD_NM'] = data['MD_NM'].str.replace(r'Clari 500mg', 'Clari')
```

```
data['MD_NM'] = data['MD_NM'].str.replace(r'CRAVIT', 'Cravit')
data['MD_NM'] = data['MD_NM'].str.replace(r'Cravit 100mg', 'Cravit')
data['MD_NM'] = data['MD_NM'].str.replace(r'Crericin 250mg', 'Crericin')
data['MD_NM'] = data['MD_NM'].str.replace(r'Crericin 250mg', 'Crericin')
data['MD_NM'] = data['MD_NM'].str.replace(r'Levokacin 750mg', 'Levokacin')
data['MD_NM'] = data['MD_NM'].str.replace(r'Zithromax syr  22.5', 'Zithromax syr')
data['MD_NM'] = data['MD_NM'].str.replace(r'Ceftriaxone inj 1g 국제', 'Ceftriaxone inj 국제')
data['MD_NM'] = data['MD_NM'].str.replace(r'Ceftriaxone inj 1g 대화', 'Ceftriaxone inj 대화')
data['MD_NM'] = data['MD_NM'].str.replace(r'Ceftriaxone inj 2g 국제', 'Ceftriaxone inj 국제')
data['MD_NM'] = data['MD_NM'].str.replace(r'Mepem inj 1g', 'Mepem inj')
data['MD_NM'] = data['MD_NM'].str.replace(r'Augmentin 0.6 inj', 'Augmentin inj')
data['MD_NM'] = data['MD_NM'].str.replace(r'Augmentin 0.6g inj', 'Augmentin inj')
data['MD_NM'] = data['MD_NM'].str.replace(r'Tazolactam inj 4.5g', 'Tazolactam inj')
data['MD_NM'] = data['MD_NM'].str.replace(r'Tiocla inj 1.6', 'Tiocla inj')
data['MD_NM'] = data['MD_NM'].str.replace(r'Vancocin CP inj 1g', 'Vancocin CP inj')
data['MD_NM'] = data['MD_NM'].str.replace(r'Tazolactam inj 4.5g', 'Tazolactam inj')
```

```
C:₩Users₩khj99₩AppData₩Local₩Temp₩ipykernel_11580₩1102478958.py:6: FutureWarning: The default value of regex will change from True to False in a
  data['MD_NM'] = data['MD_NM'].str.replace(r'Zithromax syr  22.5', 'Zithromax syr')
C:₩Users₩khj99₩AppData₩Local₩Temp₩ipykernel_11580₩1102478958.py:11: FutureWarning: The default value of regex will change from True to False in
  data['MD_NM'] = data['MD_NM'].str.replace(r'Augmentin 0.6 inj', 'Augmentin inj')
C:₩Users₩khj99₩AppData₩Local₩Temp₩ipykernel_11580₩1102478958.py:12: FutureWarning: The default value of regex will change from True to False in
  data['MD_NM'] = data['MD_NM'].str.replace(r'Augmentin 0.6g inj', 'Augmentin inj')
C:₩Users₩khj99₩AppData₩Local₩Temp₩ipykernel_11580₩1102478958.py:13: FutureWarning: The default value of regex will change from True to False in
  data['MD_NM'] = data['MD_NM'].str.replace(r'Tazolactam inj 4.5g', 'Tazolactam inj')
C:₩Users₩khj99₩AppData₩Local₩Temp₩ipykernel_11580₩1102478958.py:14: FutureWarning: The default value of regex will change from True to False in
  data['MD_NM'] = data['MD_NM'].str.replace(r'Tiocla inj 1.6', 'Tiocla inj')
C:₩Users₩khj99₩AppData₩Local₩Temp₩ipykernel_11580₩1102478958.py:16: FutureWarning: The default value of regex will change from True to False in
  data['MD_NM'] = data['MD_NM'].str.replace(r'Tazolactam inj 4.5g', 'Tazolactam inj')
```

```
# Print unique MD_NM values
unique_md_nm = data['MD_NM'].unique()
for md_nm in unique_md_nm:
    print(md_nm)
```

```
Ambactam inj
Amikacin sulfate inj
Amikin inj
Ampibactam inj
Augmentin
Avelox inj
Avelox
Azath dry syr
Banan
Cefixime
Cephamethyl
Ciproctan
Ciprofloxacin inj
Citopcin
Citopcin inj
Clari
Clarithromycin dry syr
Colis inj
Colistimethate inj
Cravit
Cravit inj 250mg
Cravit inj 500mg
Crericin
Crericin 500mg
Daptocin inj
Doxycycline
Duricef
Factive(원내 필요시입고)
Flagyl inj
Flomox [원외]
Fullgram
Fullgram inj
Gentamicin inj
```

```
Gentamicin inj 국제
Gomcillin
Imicil kit inj
Klaricid
Klaricid inj
Kymoxin
Levofloxacin inj
Levokacin
Levoplus
Lincocin inj
Lomaxacin
Maxipime inj
Meiact
Minocin
Moroxacin
Moveloxin
Moxicle
Nitrofurantoin [원외]
Omnicef
Omnicef granule
Ozex
Penbrex inj
Prepenem inj (Na 1.4mEq/V 함유)
Roxinmycin
```

```
data['MD_NM'] = data['MD_NM'].str.replace(r'Ceftriaxone inj 국제', 'Ceftriaxone inj')
data['MD_NM'] = data['MD_NM'].str.replace(r'Ceftriaxone inj 대화', 'Ceftriaxone inj')
data['MD_NM'] = data['MD_NM'].str.replace(r'Ceftriaxone inj 보령', 'Ceftriaxone inj')
data['MD_NM'] = data['MD_NM'].str.replace(r'Meiact fine granule (1g 당 역가 100mg)', 'Meiact fine granule')
data['MD_NM'] = data['MD_NM'].str.replace(r'Suprax granule (1g 당 역가 50mg)', 'Suprax granule')
data['MD_NM'] = data['MD_NM'].str.replace(r'Pfizerpen inj(긴급기안)', 'Pfizerpen inj')
data['MD_NM'] = data['MD_NM'].str.replace(r'Banan dry syr (1ml 당 역가 10mg)', 'Banan dry syr')
data['MD_NM'] = data['MD_NM'].str.replace(r'Cefotaxime inj 한미', 'Cefotaxime inj')
data['MD_NM'] = data['MD_NM'].str.replace(r'Teracycline [원외]', 'Teracycline')
data['MD_NM'] = data['MD_NM'].str.replace(r'Nitrofurantoin [원외]', 'Nitrofurantoin')
data['MD_NM'] = data['MD_NM'].str.replace(r'Gentamicin inj 국제', 'Gentamicin inj')
data['MD_NM'] = data['MD_NM'].str.replace(r'Flomox [원외]', 'Flomox')
data['MD_NM'] = data['MD_NM'].str.replace(r'Factive(원내 필요시입고)', 'Factive')
data['MD_NM'] = data['MD_NM'].str.replace(r'Cravit inj 250mg', 'Cravit inj')
data['MD_NM'] = data['MD_NM'].str.replace(r'Cravit inj 500mg', 'Cravit inj')
data['MD_NM'] = data['MD_NM'].str.replace(r'Crericin 500mg', 'Crericin')
```

```
C:₩Users₩khj99₩AppData₩Local₩Temp₩ipykernel_11580₩838331189.py:4: FutureWarning: The default value of regex will change from True to False in a
  data['MD_NM'] = data['MD_NM'].str.replace(r'Meiact fine granule (1g 당 역가 100mg)', 'Meiact fine granule')
C:₩Users₩khj99₩AppData₩Local₩Temp₩ipykernel_11580₩838331189.py:5: FutureWarning: The default value of regex will change from True to False in a
  data['MD_NM'] = data['MD_NM'].str.replace(r'Suprax granule (1g 당 역가 50mg)', 'Suprax granule')
C:₩Users₩khj99₩AppData₩Local₩Temp₩ipykernel_11580₩838331189.py:6: FutureWarning: The default value of regex will change from True to False in a
  data['MD_NM'] = data['MD_NM'].str.replace(r'Pfizerpen inj(긴급기안)', 'Pfizerpen inj')
C:₩Users₩khj99₩AppData₩Local₩Temp₩ipykernel_11580₩838331189.py:7: FutureWarning: The default value of regex will change from True to False in a
  data['MD_NM'] = data['MD_NM'].str.replace(r'Banan dry syr (1ml 당 역가 10mg)', 'Banan dry syr')
C:₩Users₩khj99₩AppData₩Local₩Temp₩ipykernel_11580₩838331189.py:9: FutureWarning: The default value of regex will change from True to False in a
  data['MD_NM'] = data['MD_NM'].str.replace(r'Teracycline [원외]', 'Teracycline')
C:₩Users₩khj99₩AppData₩Local₩Temp₩ipykernel_11580₩838331189.py:10: FutureWarning: The default value of regex will change from True to False in a
  data['MD_NM'] = data['MD_NM'].str.replace(r'Nitrofurantoin [원외]', 'Nitrofurantoin')
C:₩Users₩khj99₩AppData₩Local₩Temp₩ipykernel_11580₩838331189.py:12: FutureWarning: The default value of regex will change from True to False in a
  data['MD_NM'] = data['MD_NM'].str.replace(r'Flomox [원외]', 'Flomox')
C:₩Users₩khj99₩AppData₩Local₩Temp₩ipykernel_11580₩838331189.py:13: FutureWarning: The default value of regex will change from True to False in a
  data['MD_NM'] = data['MD_NM'].str.replace(r'Factive(원내 필요시입고)', 'Factive')
```

```
words_to_remove = r'W[원외W]|W(1ml 당 역가 10mgW)|W(1g 당 역가 100mgW)|W(1g 당 역가 50mgW)|W(긴급기안W)|W(원내 필요시입고W)'
data['MD_NM'] = data['MD_NM'].str.replace(words_to_remove, '', regex=True)


# Drop the 'PRSC_CLS_NM' column
data_cleaned = data.drop(columns=['PRSC_CLS_NM'])

# 결과를 CSV 파일로 저장
data.to_csv('C:₩₩항생제 파일₩₩약이름_변경.csv', index=False)
```

이상값 삭제 (TPRSC_CAPA =/= IMPL_CAPA)

```
file_path = r'C:₩₩항생제 파일₩₩약이름_변경.csv'
data = pd.read_csv(file_path)

# Print unique MD_NM values
unique_md_nm = data['MD_NM'].unique()
for md_nm in unique_md_nm:
    print(md_nm)
```

```
Ambactam inj
Amikacin sulfate inj
Amikin inj
Ampibactam inj
Augmentin
Avelox inj
Avelox
Azath dry syr
Banan
Cefixime
Cephamethyl
Ciproctan
Ciprofloxacin inj
Citopcin
Citopcin inj
Clari
Clarithromycin dry syr
Colis inj
Colistimethate inj
Cravit
Cravit inj
Crericin
Daptocin inj
Doxycycline
Duricef
Factive
Flagyl inj
Flomox
Fullgram
Fullgram inj
Gentamicin inj
Gomcillin
Imicil kit inj
Klaricid
Klaricid inj
Kymoxin
Levofloxacin inj
Levokacin
Levoplus
Lincocin inj
Lomaxacin
Maxipime inj
Meiact
Minocin
Moroxacin
Moveloxin
Moxicle
Nitrofurantoin
Omnicef
Omnicef granule
Ozex
Penbrex inj
Prepenem inj (Na 1.4mEq/V 함유)
Roxinmycin
Rulid
Rulid-D
Suprax
Tagocin inj
```

```
# Drop rows where 'TPRSC_CAPA' is not equal to 'IMPL_CAPA'
data_cleaned = data[data['TPRSC_CAPA'] == data['IMPL_CAPA']]

# Save the cleaned data to a new CSV file
output_path = r'C:₩항생제 파일₩이상치_삭제.csv'
data_cleaned.to_csv(output_path, index=False)
```

성분 변경

```
file_path = r'C:₩항생제 파일₩이상치_삭제.csv'
data = pd.read_csv(file_path)

words_to_remove = r'₩(IM₩)|₩(IV₩)|₩(IVF₩)|₩(IM,IVF₩)|₩(IV,IVF,IM₩)|₩(IM,IV,IVF₩)|₩(IV,IVF₩)|₩(IV,IM₩)|₩(IV, IVF, IM₩)|₩(IM, IV, IVF₩)|₩(IM,IVF₩(10-60분
data['INGR_NM'] = data['INGR_NM'].str.replace(words_to_remove, '', regex=True)



words_to_remove = r'₩(항생제₩)|₩(항균제₩)|₩(항원충제₩)|₩(100mg/g₩)|₩(IV,IM,IVF₩)'
data['INGR_NM'] = data['INGR_NM'].str.replace(words_to_remove, '', regex=True)

# Remove specific words from 'INGR_NM' column
words_to_remove = r'₩(1.5~6mg/kg/회₩* 2회₩)|₩(15mg~/kg/day₩)|₩(30mg/kg/day₩)|₩(3mg/kg/회₩*2~3회/일₩)|₩(20mg/kg/day₩)|₩(25-45mg/kg/day₩)|₩(90mg/kg/day₩
data['INGR_NM'] = data['INGR_NM'].str.replace(words_to_remove, '', regex=True)
```

```
# Print unique MD_NM values
unique_ingr_nm = data['INGR_NM'].unique()
for ingr_nm in unique_ingr_nm:
    print(ingr_nm)
```

```
Ampicillin Na 500mg,Sulbactam Na 250mg(Na 2.2mEq/V 함유)
Amikacin sulfate
Sulbactam 250mg, Ampicillin 500mg/V
Amoxicillin Na 500mg, Clavulanate K 125mg
Moxifloxacin HCl
Azithromycin 40mg/ml
Cefpodoxime proxetil
Cefixime
Cephalexin lysinate
Ciprofloxacin
Clarithromycin
Colistimethate Na
Colistin sodium methanesulfonate
Levofloxacin
Daptomycin
Doxycycline monohydrate
Cefadroxil
Gemifloxacin
Metronidazole
Cefcapene pivoxil HCl
Clindamycin HCl
Clindamycin phosphate
Gentamicin
Amoxicillin trihydrate
Imipenem monohydrate 500mg,Cilastatin Na 500mg+N/S
Amoxicillin
lincomycin
Lomefloxacin HCl
Cefepime dihydrochloride
Cefditoren pivoxil
Minocycline HCl
Amoxicillin Na 250mg, Clavulanate K 125mg
Nitrofurantoin macrocrystals
Cefdinir
Ampicillin Na
Imipenem monohydrate 500mg,Cilastatin Na 500mg
Roxithromycin
Teicoplanin
Tetracycline HCl
Tobramycin
Cefteram pivoxil
Tigecycline
Ampicillin Na 500mg, Sulbactam Na 250mg
Sultamicillin
Vancomycin HCl
Azithromycin
Linezolid
Amoxicillin 40mg, Clavulanate K 5.7mg/ml(7:1)
Amoxicillin Na 120mg, Clavulanate K 8.58mg
Amoxicillin Na 40mg, Clavulanate K 5.7mg
Amoxicillin Na 25mg, Clavulanate K 6.25mg
Cefpodoxime proxetil 10mg/ml
Sulfamethoxazole 400mg, Trimethoprim 80mg
Cefadroxil 50mg/ml
Clarithromycin 25mg/ml
Amoxicillin Na 0.5g, Clavulanate K 0.1g (Na 1.4mEq, K 0.5mEq/V 함유)
Amoxicillin Na 1g, Clavulanate K 0.2g(Na 2.7mEq, K 1.0mEq/V 함유)
Amoxicillin Na 0.5g, Clavulanate K 0.1g/V
```

```
# Replace specific patterns in 'INGR_NM' column
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Ampicillin Na 500mg,Sulbactam Na 250mg₩(Na 2₩.2mEq/V 함유₩)', 'Ampicillin Na 500mg,Sulbactam Na 250mg(
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Sulbactam 250mg, Ampicillin 500mg/V', 'Sulbactam 250mg,Ampicillin 500mg/V(1:2)', regex=True)
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Amoxicillin Na 500mg, Clavulanate K 125mg', 'Amoxicillin Na 500mg,Clavulanate K 125mg(4:1)', regex=Tru
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Azithromycin 40mg/ml', 'Azithromycin 40mg/ml', regex=True)
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Amoxicillin Na 250mg, Clavulanate K 125mg', 'Amoxicillin Na 250mg,Clavulanate K 125mg(2:1)', regex=Tru
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Imipenem monohydrate 500mg,Cilastatin Na 500mg', 'Imipenem monohydrate 500mg,Cilastatin Na 500mg(1:1)'
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Ampicillin Na 500mg, Sulbactam Na 250mg', 'Ampicillin Na 500mg,Sulbactam Na 250mg(2:1)', regex=True)
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Amoxicillin 40mg, Clavulanate K 5.7mg/ml₩(7:1₩)', 'Amoxicillin 40mg,Clavulanate K 5.7mg/ml(7:1)', rege
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Amoxicillin Na 120mg, Clavulanate K 8.58mg', 'Amoxicillin Na 120mg,Clavulanate K 8.58mg(14:1)', regex=
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Amoxicillin Na 40mg, Clavulanate K 5.7mg', 'Amoxicillin Na 40mg,Clavulanate K 5.7mg(7:1)', regex=True)
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Amoxicillin Na 25mg, Clavulanate K 6.25mg', 'Amoxicillin Na 25mg,Clavulanate K 6.25mg(4:1)', regex=Tru
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Cefpodoxime proxetil 10mg/ml', 'Cefpodoxime proxetil 10mg/ml', regex=True)
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Sulfamethoxazole 400mg, Trimethoprim 80mg', 'Sulfamethoxazole 400mg,Trimethoprim 80mg(5:1)', regex=Tru
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Cefadroxil 50mg/ml', 'Cefadroxil 50mg/ml', regex=True)
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Clarithromycin 25mg/ml', 'Clarithromycin 25mg/ml', regex=True)
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Amoxicillin Na 0.5g, Clavulanate K 0.1g ₩(Na 1.4mEq, K 0.5mEq/V 함유₩)', 'Amoxicillin Na 0.5g,Clavulan
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Amoxicillin Na 1g, Clavulanate K 0.2g₩(Na 2.7mEq, K 1.0mEq/V 함유₩)', 'Amoxicillin Na 1g,Clavulanate K
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Amoxicillin Na 0.5g, Clavulanate K 0.1g/V', 'Amoxicillin Na 0.5g,Clavulanate K 0.1g(5:1)', regex=True)
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Cefazolin Na₩(Na 2₩.1mEq/V 함유₩)', 'Cefazolin Na(Na 2.1)', regex=True)
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Cefoperazone 0.5g, Sulbactam 0.5g/V', 'Cefoperazone 0.5g,Sulbactam 0.5g(1:1)', regex=True)
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Cefotaxime Na₩.', 'Cefotaxime Na', regex=True)
```

```
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Ceftriaxone NaW(Na 1W.5mEq/V 함유W)', 'Ceftriaxone Na(Na 1.5)', regex=True)
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Ceftriaxone NaW(Na 2W.9mEq/V 함유W)', 'Ceftriaxone Na(Na 2.9)', regex=True)
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Ceftriaxone NaW(Na 5W.9mEq/V 함유W)', 'Ceftriaxone Na(Na 5.9)', regex=True)
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Cefoperazone 0.5g, Sulbactam 0.5g', 'Cefoperazone 0.5g,Sulbactam 0.5g(1:1)', regex=True)
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Cefoperazone 1g, Sulbactam 1g', 'Cefoperazone 1g,Sulbactam 1g(1:1)', regex=True)
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Cefixime 50mg/g', 'Cefixime 50mg/g', regex=True)
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Cefditoren pivoxil 100mg/g', 'Cefditoren pivoxil 100mg/g', regex=True)
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Piperacillin Na 4g,Tazobactam 0.5g/V', 'Piperacillin Na 4g,Tazobactam 0.5g/V(8:1)', regex=True)
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Piperacillin Na 2g,Tazobactam 0.25gW(Na 4W.7mEq/V 함유W)', 'Piperacillin Na 2g,Tazobactam 0.25g(8:1)(Na
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Piperacillin Na 4g,Tazobactam 0.5gW(Na 4W.7mEq/V 함유W)', 'Piperacillin Na 4g,Tazobactam 0.5g(8:1)(Na 4
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Ticarcillin sodium 1.5GW+Clavulanate 0.1G', 'Ticarcillin sodium 1.5g,Clavulanate 0.1g(15:1)', regex=Tr
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Ceftolozane 1g, tazobactam 0.5g', 'Ceftolozane 1g,tazobactam 0.5g(2:1)', regex=True)
data['INGR_NM'] = data['INGR_NM'].str.replace(r'Nafcillin sodiumW(Na 2W.5mEq/V 함유W)', 'Nafcillin sodium(Na 2.5)', regex=True)

# Print unique MD_NM values
unique_ingr_nm = data['INGR_NM'].unique()
for ingr_nm in unique_ingr_nm:
    print(ingr_nm)
```

```
Ampicillin Na 500mg,Sulbactam Na 250mg(2:1)(Na 2.2)
Amikacin sulfate
Sulbactam 250mg,Ampicillin 500mg/V(1:2)
Amoxicillin Na 500mg,Clavulanate K 125mg(4:1)
Moxifloxacin HCl
Azithromycin 40mg/ml
Cefpodoxime proxetil
Cefixime
Cephalexin lysinate
Ciprofloxacin
Clarithromycin
Colistimethate Na
Colistin sodium methanesulfonate
Levofloxacin
Daptomycin
Doxycycline monohydrate
Cefadroxil
Gemifloxacin
Metronidazole
Cefcapene pivoxil HCl
Clindamycin HCl
Clindamycin phosphate
Gentamicin
Amoxicillin trihydrate
Imipenem monohydrate 500mg,Cilastatin Na 500mg(1:1)+N/S
Amoxicillin
lincomycin
Lomefloxacin HCl
Cefepime dihydrochloride
Cefditoren pivoxil
Minocycline HCl
Amoxicillin Na 250mg,Clavulanate K 125mg(2:1)
Nitrofurantoin macrocrystals
Cefdinir
Ampicillin Na
Imipenem monohydrate 500mg,Cilastatin Na 500mg(1:1)
Roxithromycin
Teicoplanin
Tetracycline HCl
Tobramycin
Cefteram pivoxil
Tigecycline
Ampicillin Na 500mg,Sulbactam Na 250mg(2:1)
Sultamicillin
Vancomycin HCl
Azithromycin
Linezolid
Amoxicillin 40mg,Clavulanate K 5.7mg/ml(7:1)
Amoxicillin Na 120mg,Clavulanate K 8.58mg(14:1)
Amoxicillin Na 40mg,Clavulanate K 5.7mg(7:1)
Amoxicillin Na 25mg,Clavulanate K 6.25mg(4:1)
Cefpodoxime proxetil 10mg/ml
Sulfamethoxazole 400mg,Trimethoprim 80mg(5:1)
Cefadroxil 50mg/ml
Clarithromycin 25mg/ml
Amoxicillin Na 0.5g,Clavulanate K 0.1g(5:1)(Na 1.4, K 0.5)
Amoxicillin Na 1g,Clavulanate K 0.2g(5:1)(Na 2.7, K 1.0)
Amoxicillin Na 0.5g,Clavulanate K 0.1g(5:1)
```

```
# 결과를 CSV 파일로 저장
data.to_csv('C:WW항생제 파일WW성분명_변경.csv', index=False)
```

Prepenem inj Na 값 이동

```
# Load the data from the CSV file
file_path = r'C:₩항생제 파일₩성분명_변경.csv'
data = pd.read_csv(file_path)

# Update specific patterns in 'INGR_NM' and 'MD_NM' columns
data['INGR_NM'] = data.apply(lambda row: row['INGR_NM'] + '(Na 1.4)' if row['MD_NM'] == 'Prepenem inj (Na 1.4mEq/V 함유)' else row['INGR_NM'], axis=1)
data['MD_NM'] = data['MD_NM'].str.replace(r'Prepenem inj ₩(Na 1₩.4mEq/V 함유₩)', 'Prepenem inj', regex=True)


# Print unique MD_NM values
unique_md_nm = data['MD_NM'].unique()
for md_nm in unique_md_nm:
    print(md_nm)

    # Print unique MD_NM values
unique_ingr_nm = data['INGR_NM'].unique()
for ingr_nm in unique_ingr_nm:
    print(ingr_nm)
```

```
 Ambactam inj
 Amikacin sulfate inj
 Amikin inj
 Ampibactam inj
 Augmentin
 Avelox inj
 Avelox
 Azath dry syr
 Banan
 Cefixime
 Cephamethyl
 Ciproctan
 Ciprofloxacin inj
 Citopcin
 Citopcin inj
 Clari
 Colis inj
 Colistimethate inj
 Cravit
 Cravit inj
 Crericin
 Daptocin inj
 Doxycycline
 Duricef
 Factive
 Flagyl inj
 Flomox
 Fullgram
 Fullgram inj
 Gentamicin inj
 Gomcillin
 Imicil kit inj
 Klaricid
 Klaricid inj
 Kymoxin
 Levofloxacin inj
 Levokacin
 Levoplus
 Lincocin inj
 Lomaxacin
 Maxipime inj
 Meiact
 Minocin
 Moroxacin
 Moveloxin
 Moxicle
 Nitrofurantoin
 Omnicef
 Omnicef granule
 Penbrex inj
 Prepenem inj
 Roxinmycin
 Rulid
 Rulid-D
 Suprax
 Tagocin inj
 Tapocin inj
 Targocid inj
```

g>mg 변경

```
# Update values in specific columns based on condition
data.loc[data['PRSC_UNIT'] == 'g', ['PRSC_CAPA', 'TPRSC_CAPA', 'IMPL_CAPA', 'BS_CTQTY']] *= 1000

# Save the updated data to a new CSV file
```

```
output_path = r'C:₩항생제 파일₩단위변경.csv'
data.to_csv(output_path, index=False)
```

최종

```
# Load the data from the CSV file
file_path = r'C:₩항생제 파일₩단위변경.csv'
data = pd.read_csv(file_path)

# Filter rows where PRSC_UNIT is not 'g' or 'mg'
data = data[data['PRSC_UNIT'].isin(['g', 'mg'])]

# Remove specific columns
columns_to_remove = ['PRSC_UNIT', 'PRSC_CLS_NM', 'TPRSC_CAPA', 'GRAM_EXCHE_CONT', 'WARD_CONT']
data.drop(columns=columns_to_remove, inplace=True)

# Save the updated data to a new CSV file
output_path = r'C:₩항생제 파일₩항생제_파일.csv'
data.to_csv(output_path, index=False)
```