

COMMON PRESCRIBING/TRANSCRIPTION ERRORS

PRESCRIBING MULTIPLE ORAL ANTICOAGULANT & ANTIPLATELETS

ANTICOAGULANTS

Case examples of error:

Mr XY is prescribed with both:

- Tab. Dabigatran 150mg BD
- Tab. Rivaroxaban 20mg OD.

Ms XX is prescribed with both:

- Tab. Edoxaban 60mg OD
- Tab. Apixaban 5mg BD

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CONSEQUENCE

Drug interaction: Major Severity



RISK OF BLEEDING !

Since the drugs mentioned are all anticoagulants, the anticoagulant effect will be enhanced if given more than one anticoagulant. **Only one anticoagulant** should be prescribed for a patient.

ANTIPLATELETS

Case example of error:

Mr PXY is prescribed 3 antiplatelets:

- Cardiprin (Aspirin) 1 tab OD
- Clopidogrel 75mg OD
- Ticagrelor 90mg BD

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CONSEQUENCE



POTENTIAL OF BLEEDING !

Drug interaction: Moderate Severity

2 types of antiplatelets can be in dual therapy but **not 3 at once**. Three antiplatelets will increase risk of bleeding.

HOW TO PREVENT SUCH ERRORS?

If an anticoagulant or antiplatelet is prescribed;

1. **Don't copy** and paste or just click "copy old meds" without checking for duplicates.
2. **Double check** old medications (Check which OAC patient was on).
3. **Confirm** which anticoagulant is of choice and stick to one

COMMON DUAL ANTIPLATELET COMBINATION:

ASPIRIN + CLOPIDOGREL
(E.G. CARDIPRIN®) (E.G. PLAVIX®)

USUAL INDICATIONS FOR DUAL ANTIPLATELET OR TRIPLE THERAPY

DUAL ANTIPLATELET THERAPY/DAPT (ASPIRIN + 1 P2Y12 INHIBITOR)

Acute coronary syndrome or percutaneous coronary intervention (PCI) with stent insertion

TRIPLE THERAPY (DAPT + 1 NEW ANTICOAGULANT) RECOMMENDED DURATION: 7-30 DAYS

Atrial fibrillation + Acute coronary syndrome or percutaneous coronary intervention with stent insertion

EXAMPLE: ASPIRIN 100MG OD + CLOPIDOGREL 75MG OD + DABIGATRAN 150MG BD

Antiplatelets

COX inhibitor

Aspirin

P2Y12 inhibitors

Clopidogrel
Ticagrelor
Ticlopidine

Anticoagulants

Old generation

Warfarin

New generation

Apixaban
Edoxaban
Rivaroxaban
Dabigatran

References:

1. Daniel Shmyr et. al, Triple antithrombotic therapy for AF a Coronary Stents, 2017
2. European Society of Cardiology Guidelines 2020 for the diagnosis and management of AF

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