



phn
GOLD COAST
An Australian Government Initiative

PRIMARY
SENSE

Gold Coast Primary Health Network

Focusing on Primary Sense medication safety alerts for beginners

Medication safety alerts

- An alert is a real-time notification of a potential safety issue when the GP starts to prescribe a pre-identified medication for the patient
- The alerts were determined by a clinical reference group, who searched on existing indicators and drug warnings
- The Clinical reference group completed a review of current GP prescribing guidelines, particularly where drug related safety issues are an issue

Primary Sense™ Medication Alert

N Campbell
LANOXIN

Possible renal impairment. This alert is being generated because of the digoxin dose and current renal impairment. The risk of digoxin toxicity should be considered. Digoxin is predominantly renally cleared (about 70%). Recommended maximal doses are CrCl 10–30 mL/minute, oral 62.5–125 micrograms once daily. CrCl.

Please note results in PDFs can not be read.

Recommendations

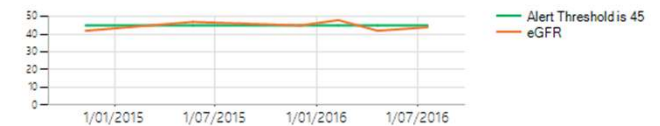
A check of serum digoxin levels at least 6 hours post dose and a review of patient symptoms is recommended.

Comment (optional)

Appropriate – I will take action Appropriate – but I want to override Inappropriate - wrong for this patient

Remind me again when I repeat this prescription Not relevant to me

Patient results (Click chart for more details)



Medication safety alerts

- Primary Sense checks the practice every two seconds for a new medication being prescribed to see if the patient the medication is for is at risk if it's prescribed
- If an alert is triggered it appears within seconds on the GP's screen, the GP is presented with the reason for the alert and the recommendations / further information / links to information

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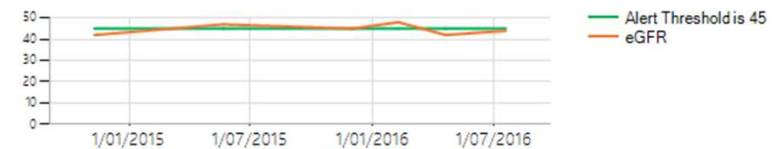
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- x Medication safety alerts

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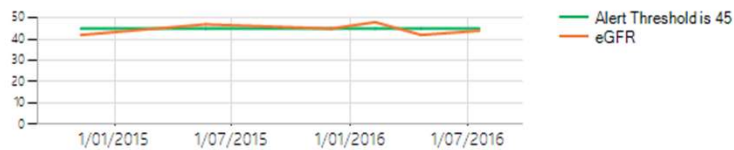
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Remind me again when I repeat this prescription Not relevant to me

Patient results (Click chart for more details)



- Alerts have four options for the GP to select
 - Appropriate – I will take action
 - Appropriate – but I want to override
 - Inappropriate – wrong for this patient
 - Remind me again when I repeat this prescription
 - Not relevant to me

- When the GP makes a selection, anything other than remind me next time will disable that alert for that GP and that patient for 12 months
- Not relevant to me is in case a GP is logged on at more than one PC as the alert will go to both

Current Medication safety alerts

- Prescribing Azothioprine/ Mercaptopurine without thiopurine methyltransferase (TPMT) testing
- Prescribing an immunosuppressive drug without laboratory tests within the last 6 months
- Prescribing a biological drug without laboratory tests within the last 6 months
- Prescribing an antipsychotic drug without laboratory test within the last 12 months
- Prescribing metformin where latest eGFR $<30\text{ml/min}$
- Prescribing digoxin where latest eGFR $<45\text{ ml/min}$
- Prescribing a bisphosphonate drug for osteoporosis where latest eGFR $<35\text{ml/min}$





Current Medication safety alerts

- Prescribing an anti-platelet drug where there is history of peptic ulcer or gastrointestinal bleed and no gastroprotection
- Prescribing a fentanyl patch where there is non-cancer pain
- Prescribing a combined hormonal contraceptive where there is a history migraine
- Prescribing a hypoglycaemic drug (other than single preparation metformin) in patients ≤ 75 yrs where latest HbA1c $< 6.5\%$ (<48 mmol)
- Prescribing a hypoglycaemic drug (other than single preparation metformin) in patients >75 yrs where HbA1c $< 7\%$ (<53 mmols)

Managing medication safety alerts using Primary Sense Desktop

- To switch an alert off double, click on the title



Primary Sense™ Alerts

This screen shows how you have managed alerts so far today.

My Alerts History

Settings

Double-click an alert to opt in or out.

Opted In / Out	Alert
<input checked="" type="checkbox"/> Opted In	Prescribing Azothioprine/Mercaptopurine without thiopurine methyltransferase testing (TPMT)
<input checked="" type="checkbox"/> Opted In	Prescription Metformin where latest eGFR \leq 30ml/min
<input checked="" type="checkbox"/> Opted In	Prescribing biological medication without lab tests within the last 6 months
<input checked="" type="checkbox"/> Opted In	Prescribing immunosuppressive drugs without lab tests within the last 6 months
<input checked="" type="checkbox"/> Opted In	Prescribing an anti-platelet drug where there is a history of peptic ulcer or gastrointestinal bleed and no gastroprotection
<input checked="" type="checkbox"/> Opted In	Prescribing antipsychotic medication without lab test within the last 12 months
<input checked="" type="checkbox"/> Opted In	Prescribing a combined hormonal contraceptive where there is a history of migraine
<input checked="" type="checkbox"/> Opted In	Prescription of hypoglycaemics other than simple metformin in elderly patients (age \geq 75) with HbA1c \leq 7.0(53mmol/mol)
<input checked="" type="checkbox"/> Opted In	Prescription of fentanyl patch in non-cancer pain
<input checked="" type="checkbox"/> Opted In	Prescription of digoxin where latest eGFR \leq 45 ml/min
<input checked="" type="checkbox"/> Opted In	Prescribing a bisphosphonate medication for Osteoporosis where latest eGFR \leq 35 ml/min
<input checked="" type="checkbox"/> Opted In	Prescription of hypoglycaemics other than simple metformin in patients (age \geq 75) with HbA1c \leq 6.5 (48mmol/mol)



An Australian Government Initiative

Building one world class health service for the Gold Coast

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