Clinical Audit on “Clinical Practice Guideline: Home Oxygen Therapy for Adult Patients”

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Background

The Clinical Practice Guideline: Home Oxygen Therapy for Adult Patients developed by COPD task group of OTCOC 2012

Guideline published in HA eKG web 2014

Template for documentation created in the CMS’s Allied Health Progress Notes-Discharge Summary 2015

Clinical audit launched in KCC OT department 2016

Methodology

Inclusion criteria
- In-patients from 4 RMD wards
- Admission period: April 2015 to March 2016
- Initial home oxygen installation
- E-documentation available

Identification of cases from CDARS
- 99 reports was identified
- 55 reports randomly selected

CMS Allied Health - Discharge summary drawn for audit by internal auditors and external auditors

Percentage of compliance analyzed with Microsoft Excel
The 9 Steps as recommended by “Clinical Practice Guideline: HOT for Adult Patients”

Step 1
Validating the appropriate patients and respective therapy regime
• Criteria of success: Confirm a therapy regime

Step 2
Recommendation appropriate flow-rates with respective to rest, sleep and various daily activities
• Criteria of success: Indicate the respective flow rates for the following scenarios
  a) Rest, b) Sleep, c) Light exertion, d) Heavy exertion

Step 3
Gaining consensus and participation from the patients and/or care-givers
• Criteria of success: Collect a consent form (with the patients or a delegate’s signature on it) for recording in department’s central file

Step 4
Selecting the appropriate equipment to fit the home environment and lifestyle
• Criteria of success: Indicate the specific model of oxygen equipment +/- accessories in e-documentation

Step 5
Exploring the need for financial assistance
• Criteria of success: Explore any needs for financial assistance, and, make necessary referrals to the feasible and appropriate agent

(Web access through HA.home: eKG → HA Clinical Guideline → Allied Health - Occupational Therapy)
Step 6

**Educating and training on operation, maintenance and precautions**

- Criteria of success: Coach the patients and/or their carers in the operation of related equipment

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Step 7

**Liaison for equipment delivery on discharge**

- Criteria of success: Arrange delivery of the oxygen set to ensure no disruption of the therapy during the transition from hospital back to the community

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Step 8

**Monitoring and arranging follow-up service**

- Criteria of success: Arrange FU service that is feasible and convenient to the patients and/or carers

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Step 9

**Documentation**

- Criteria of success: Recorded all the above procedures and information in the Allied Health Progress Note – Discharge Summary
Result

- Over 90% compliance in most of the steps
- About 50% of the financial status being stated in the e-documentation

Suggestions for further service improvement

- Refine and promote on the use of the existing home oxygen installation template for e-documentation in CMS
- Cross cluster audit exercise could be launched to promote universal reporting format and enhance compliance of the clinical practice guideline