



Curriculum Vitae

Personal information Catherine Byrne

Work experience

1. Employer: Health Products Regulatory Authority
 - Start date: 062018
 - End date:
 - Position: Pharmacokinetics Assessor
 - Activities: Pharmacokinetic and pharmacodynamic assessment of human medicines and clinical trials
 - Country: Ireland
2. Employer: Royal College of Surgeons in Ireland
 - Start date: 102016
 - End date: 062018
 - Position: Postdoctoral researcher
 - Activities: Pharmacoepidemiological research
 - Country: Ireland
3. Employer: Community Pharmacy
 - Start date: 062006
 - End date: 092016
 - Position: Pharmacist
 - Activities: Supervising and Superintendent Pharmacist
 - Country: Ireland

Education and training

1. Subject: Trinity College Dublin
 - Start date: 032012
 - End date: 072016
 - Qualification: PhD
 - Organisation: Clinical pharmacy and pharmacokinetics, population pharmacokinetic modelling and simulation.
 - Country: Ireland
2. Subject: Trinity College Dublin
 - Start date: 092012
 - End date: 092013
 - Qualification: Postgraduate Diploma in Statistics
 - Organisation: Statistical methods
 - Country: Ireland
3. Subject: Trinity College Dublin
 - Start date: 092009
 - End date: 092011
 - Qualification: Postgraduate Diploma in Community Pharmacy
 - Organisation: Community pharmacy practice
 - Country: Ireland
4. Subject: Curtin University of Technology
 - Start date: 021992
 - End date: 121995
 - Qualification: Bachelor of Pharmacy
 - Organisation: Pharmacy
 - Country: Australia

Additional information

Publications

Byrne CJ, Walsh C, Cahir C, et al. Impact of drug burden index on adverse health outcomes in Irish community_dwelling older people: a cohort study. *BMC Geriatrics* 2019; 19(1):121.

Byrne CJ, Walsh C, Cahir C, et al. Anticholinergic and sedative drug burden in community_dwelling older people: a national database study. *BMJ Open* 2018;0:e022500. doi:10.1136/bmjopen_2018_022500

Byrne CJ, Parton T, McWhinney B, et al. Population pharmacokinetics of total and unbound teicoplanin concentrations and dosing simulations in patients with haematological malignancy. *J Antimicrob Chemother* 2018;73:995_1003

Byrne CJ, Cahir C, Curran C, et al. High_risk prescribing in an Irish primary care population: trends and variation. *Br J Clin Pharmacol* 2017;83:2821_2830.

Caitriona Cahir, Carmel Curran, **Catherine Byrne**, Caroline Walsh, Anne Hickey, David J Williams and Kathleen Bennett. The ADAPT study: A prospective analysis of Adverse Drug reactions related to hospital admission in an Ageing PopulaTion. *BMJ open*. 2017;7:e017322.

Catherine J Byrne, Jason A Roberts, Brett McWhinney, Sheila A. Ryder, Jerome P. Fennell, Philomena O'Byrne, Evelyn Deasy, Sean Egan, Ronan Desmond, Helen Enright, Deirdre M. D'Arcy, Johnny McHugh. Population pharmacokinetics of teicoplanin and attainment of pharmacokinetic/pharmacodynamic targets in adult patients with

haematological malignancy. *Clinical Microbiology and Infection*. 2017;23:674.e677_74.e613.

Catherine J Byrne, Jason A Roberts, Brett McWhinney, Jerome Fennell, Philomena O'Byrne, Evelyn Deasy, Sean Egan, Ronan Desmond, Helen Enright, Sheila A Ryder, Deirdre M D'Arcy, Johnny McHugh. Variability in trough total and unbound teicoplanin concentrations and achievement of therapeutic drug monitoring targets in adult patients with haematological malignancy. *Antimicrob Agents Chemother*. 2017;61:e02466_02416.

Byrne CJ, Egan S, Fennell JP, O'Byrne P, Enright H, Deasy E, Ryder SA, D'Arcy DM, McHugh J. Teicoplanin use in adult patients with haematological malignancy: Exploring relationships between dose, trough concentrations, efficacy and nephrotoxicity. *Int J Antimicrob Agents*. 2015;46(4):406_412

Catherine J Byrne, Sean Egan, Deirdre M D'Arcy, Philomena O'Byrne, Evelyn Deasy, Jerome P Fennell, Helen Enright, Johnny McHugh, Sheila A Ryder. Teicoplanin usage in adult patients with haematological malignancy in the UK and Ireland: Is there scope for improvement? *European Journal of Hospital Pharmacy: Science and Practice*. 2014;21(5):301_305.

Projects

Memberships

Member of the Modelling and Simulation Operational Experts Group (MSOEG)

Member of the Pharmaceutical Society of Ireland (PSI)

Member of the Irish Institute of Pharmacy (IIOP)

Other Relevant Information