DEADLINE WEDNESDAY 5 HILV 2017

Mahadevan SB, McKiernan PJ, Davies P, Kelly DA. <i>Arch Dis Child</i> 2006; 91 (7): 598-603.			
	Assessment No: 010317		
	Although large doses of paracetamol may lead to severe hepatic necrosis,	0.4	

Orthotopic liver transplantation (OLT) is a therapeutic option for liver failure

Due to age-associated differences in the drug metabolism and detoxification of

paracetamol metabolites, infants and young children may be more susceptible to

Evidence suggests that although younger children may tolerate doses higher than

In this study, significant hepatotoxicity was defined as serum alanine or aspartate

There were 61 children included in this study, who were then divided into two groups.

The data collected from this study included age, sex, reported dose of paracetamol

ingested, time from reported ingestion to presentation at the hospital but not grade

Three children in group I and two in group II, all under seven years old, received

All children in group I recovered with conservative management, while children in

group II developed rapidly progressing encephalopathy ≥ grade III and were listed

Survival was 100% in children with grade ≤II (group II) compared to 18% in those

The main cause of death in group II children with grade ≥III encephalopathy was

Haemofiltration for progressive renal impairment was necessary in one patient in

In this study, hepatic encephalopathy ≥grade III was the best single predictor of poor

Most patients were adolescent males who took an accidental paracetamol overdose

This study noted that delayed presentation (24 vs. 44 hours) to hospital after

Although children less than seven years old may be less susceptible to acute

What do you understand by acute and staggered paracetamol overdose? Do you

How is paracetamol absorbed in the body at therapeutic and overdose levels?

have any guidelines for paracetamol estimation in your laboratory? If yes, then what

paracetamol poisoning, 6/51 patients less than seven years old developed

In this study, one of the main factors for poor outcome was delay in

are the guidelines? If no, then do you think there should be any?

Describe the role of activated charcoal in gut contamination.

150mg/kg, they may develop toxicity after repeated therapeutic or supratherapeutic

it does not necessarily lead to fatal hepatic failure.

paracetamol toxicity after acute ingestion than adults.

transaminase (ALT or AST) level less than 1,000IU/L.

All patients in this study received N-acetylcysteine.

multiple cumulative overdoses accidentally or intentionally.

group I and five in group II, and only one in each group survived.

more frequently in children than in adults, and is fatal.

overdose was a risk factor for severe renal failure.

hepatotoxicity following multiple dosing.

Jaundice was an evident clinical feature in this study.

prognosis as only 18% of children survived despite liver transplantation. Paracetamol overdose leading to toxic liver damage and encephalopathy occurs

following paracetamol overdose.

doses of paracetamol.

of encephalopathy.

for liver transplantation.

following an impulsive act.

establishing treatment.

acute liver failure.

with grade ≥III encephalopathy (group I).

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REFLECTIVE LEARNING QUESTIONS

It is becoming ever cheaper to deliver pathology services.

Due to a burden of clinical work, pathologists carry out less in the way of

It is felt that more electronic and IT use would improve efficiency.

planning as there are plenty of professionals involved already.

It would be high risk to try and retain consultants who are

It is unnecessary to include pathology staff in NHS England workforce

Cancer Research UK receives a small amount of government funding.

Biomedical and clinical scientists should be used in advanced and

Avoiding duplicate and inappropriate testing may reduce pressure.

There are good national data available across all areas of pathology.

All member countries of the UK have standardised waiting time targets.

There are now more medical laboratory support staff to qualified staff as a

Unless action is taken, pathology turnaround times will increase beyond

What impact do you consider that this report should have on government

statements on funding for pathology staff, education and infrastructure, given

Cancer Research UK (CRUK) is a charity rather than an arm of the NHS. What

sort of legitimacy do you consider that this report has, based on the status of

Over the last 40 years, cancer survival rates have doubled.

In 2013 there were 352,000 new cases of cancer in the UK.

Histopathology consultant numbers are currently inadequate.

There should be investment to support research programmes.

Pathology is included in the curriculum of all medical schools.

the incidence of cancer across the UK and the world?

ratio than figures six years earlier.

CRUK as the commissioner?

Molecular testing should be standardised.

acceptable limits.

The level of molecular testing requested annually appears to have plateaued.

This document addresses pathology in England only.

research and educational activities.

approaching retirement.

extended roles.

	DEADLINE WEDNESDAY 3 COLY 2017		
acetamol induced hepatotoxicity.		Pathology at the tipping point.	

Paracetamol induced hepatotoxicity.	Pathology at the tipping point.
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