



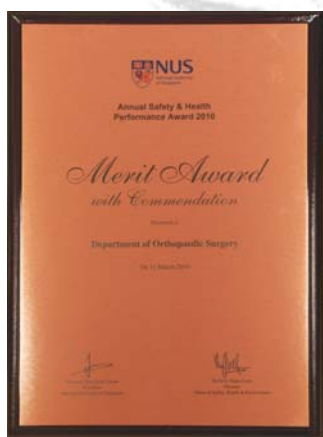
The Tree of Andry

DEPARTMENT OF ORTHOPAEDIC SURGERY,
NATIONAL UNIVERSITY OF SINGAPORE



November 2012 : Issue 05

Annual Safety & Health Performance Award 2013 *



OSHE evolved ASHPA to address changes in regulations (WSH) and University policies (PI Lab Certification).

Changing from quantitative scoring with competitive

element to qualitative indicators meeting University standards, stressing year long continual improvement vs 1-shot examination pass/fail.

Thus there is an incentive to

improve safety throughout the year of assessment.

As safety is not a race, Merit, Silver & Gold are now Commitment, Commendation & Excellence.

Cheers!

Special points of interest:

- ANNUAL SAFETY & HEALTH PERFORMANCE AWARD 2013
- DEPT SAFETY OBJECTIVE AND DEPT SAFETY PROGRAMME
- ASHPA 2013 AND PI CERTIFICATION SURVEILLANCE
- FIRE DRILLS, CHEMICAL DRILL & BIOLOGICAL SPILLS WORKSHOP
- IN MEMORY: DR. BARRY PEREIRA
- DEPT SAFETY OBJECTIVE & PROGRAMME STATUS

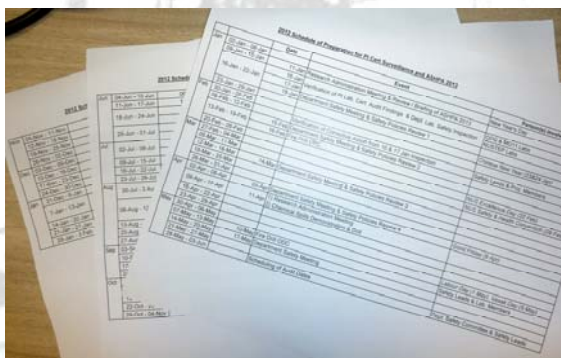
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Department Safety Objective & Programme 2012

The Research Directors approved of the department's 2012 Department Safety Objective

1. To achieve zero reportable accidents / incidents to the Ministry of Manpower for 2012.
2. 100% of the Principal Investigators undergoing PI surveillance audit to pass by 1st December 2012.
3. To improve our Safety Management System by carrying out safety performance monitoring at least twice a year in 2012.



And to meet the 3 objectives we have a whole year's worth of plan! From drills, spills and reviews, audits, inspections, meetings according to a 6 point programme.

Editors Dominic Tey
Chong Sue Wee
Low Siew Leng

Activity photos after the page.

* There was no Annual Safety Performance Award 2011 as the University focused on PI Laboratory Certification to comply with the Workplace Safety Health Act

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Department Safety Objective & Programme 2012

2012 Department Safety Objective

1. Zero reportable accidents/incidents to Ministry of Manpower
2. 100% of the Principal Investigators undergoing PI surveillance audit to pass.
3. To improve our Safety Management System by carrying out safety performance monitoring at least twice a year in 2012.



Safety culture is VERY important in our department.

Any safety concerns?

2012 Department Safety Programme (DSP)

1. Organize a safety activity every three months (after the Research Administration meeting) to serve as an avenue to raise awareness and provide training for old and new staff (Department Safety Committee)
2. Participate in NUS level programmes such as ASHPA & PI-Certification / Surveillance with regular activities geared to bridge the gaps identified through our PDCA cycle (Staff and Students)
3. Conduct Fire Drills at least one a year, in each of the building which our department laboratories occupy, to ensure that staff and students are prepared for emergency evacuation (Department Safety Committee)
4. Conduct one Chemical Spills Exercise and one Biological Spills Exercise to familiarize staff and students with emergency spills procedures (Department Safety Committee)
5. Conduct laboratory safety inspections and audit laboratory SMS once in 6 months (Department Safety Committee)
6. Review laboratory safety performance once a year to ensure continual improvement (Principal Investigators / Research Director)

Safety in the Workplace

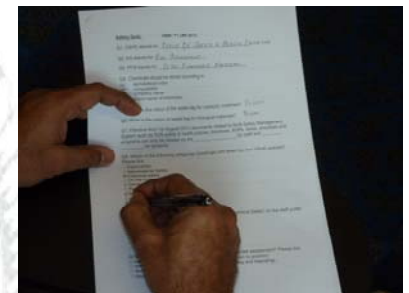
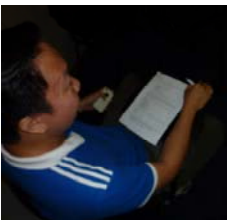
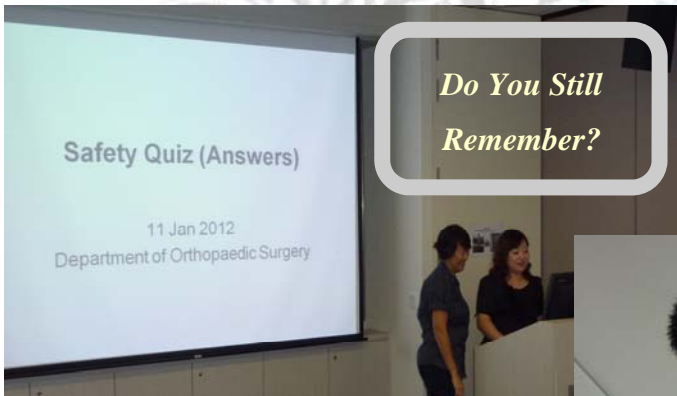


Research Administration Meeting, 11-01-2012 & Department Safety Quiz (Safety Programme #1)

Kicking right from the start on 11 January 2012.

In addition to the normal research administration matters, an ASHPA 2013 briefing was conducted along other safety updates.

This was followed with a Safety Quiz to “start the engine” after the holidays.

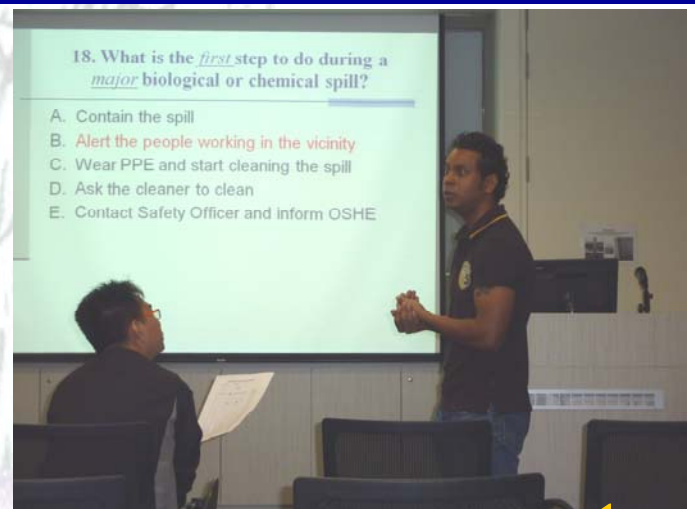


Department Safety Induction Quiz, 11-01-2012



New staff had their safety induction so that no one is left behind. All on board :-)

From end 2011 & 2012, we welcome new staff who joined us: Thein Than Htike, Soe Min Tun, Tan Sze Yee

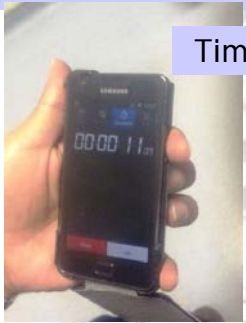


First the theory, next the practical

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FIRE DRILL in FEBRUARY 2012 & MAY 2012 (Safety Programme #3)

On 16 Feb 2012, a fire drill exercise for all department labs in the Clinical Research Centre (Block MD 11) was conducted.
 On 10 May 2012, the labs at Orthopaedic Diagnostic Centre (ODC) had their turn



Timer started



Proceed to the exit



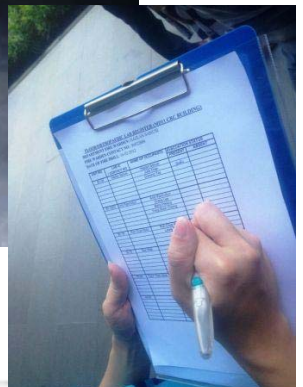
Do not take the lift, take the nearest staircase and proceed to the assembly area at MD 6

QUIZ:
 How many seconds was 2012's ODC Fire Drill timing different from than 2011's ODC Fire Drill?
 A) 1 second faster
 B) 11 seconds faster
 C) 110 seconds faster

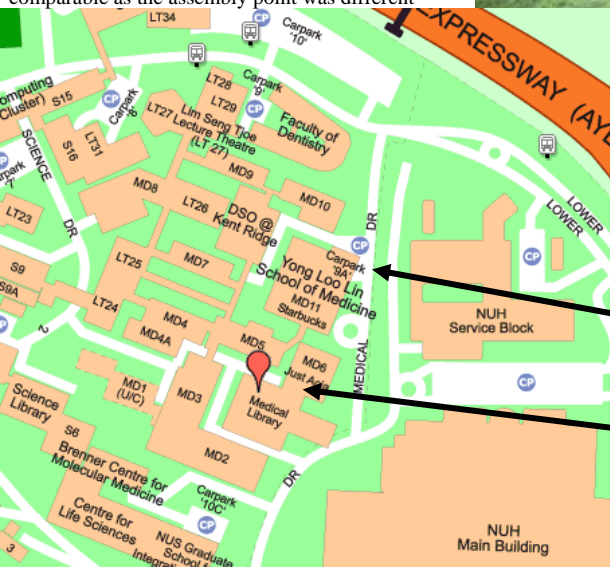
NB: 2011 & 2012 CRC Fire Drill timing are not comparable as the assembly point was different



Hazlan: "In the event of a fire, please do not panic (fire evacuation procedure) and lastly, please remember to sign on the attendance sheet for today's fire drill exercise"



Attendance sheet



MD 11

Assembly at MD 6

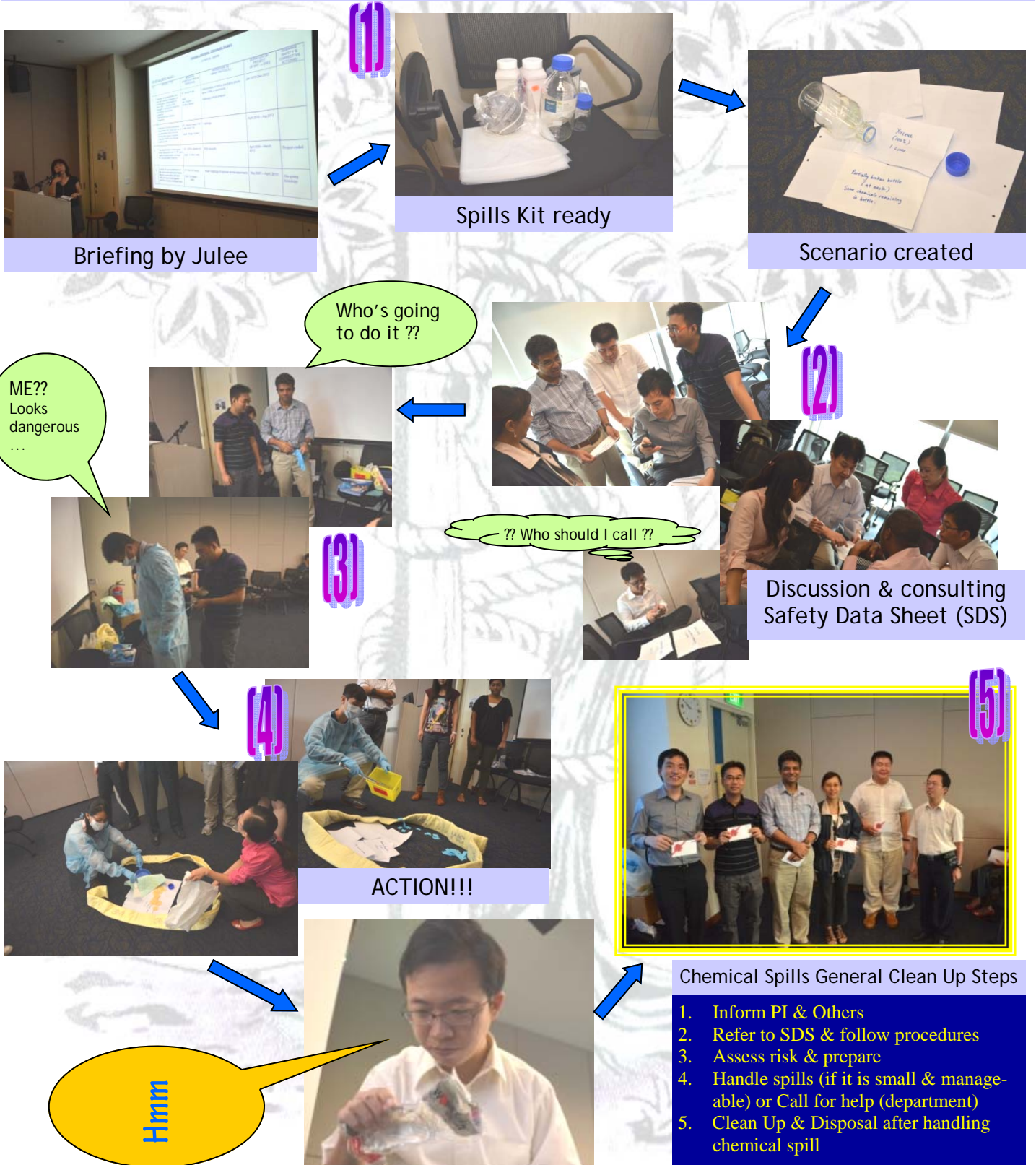
No One Left Behind

QUIZ ANSWER: 11 SECONDS

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SAFETY ACTIVITY - Chemical Spills Response (Safety Programme #4)

Hands-on chemical spills response exercise was conducted after the research admin meeting on 11 April 2012.



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NUS Level Programme: ASHPA & PI-CERTIFICATION (Safety Programme #2)

We took part in NUS Level programmes such as ASHPA and the PI-Certification Scheme (Surveillance). In addition to last year's safety audits and inspections by department internal auditors, we had something special installed. They were:

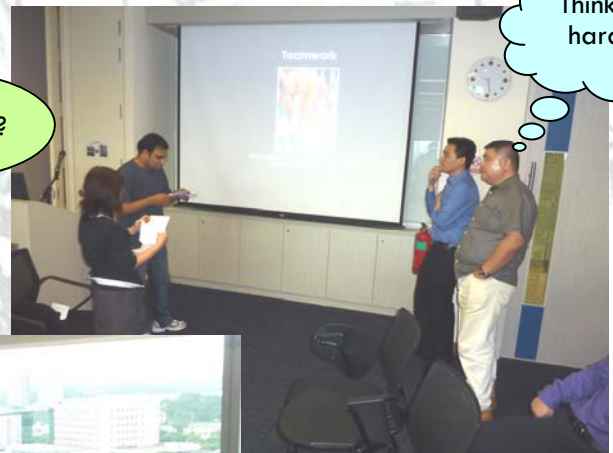
Mock Audits (9 July)

Where the tables are turned: The auditees asks another lab potential audit questions to help prepare the answers.



Wait... let me check the answer

Faster can?



Thinking hard...



I sure hope they don't ask me

Cool & Confident
Just bring them ON!

Internal SMS audit & Lab Inspection (Safety Programme #5)



LAB. SAFETY PERFORMANCE REVIEW by Research Director (Safety Programme #6)

With unannounced spills test by Prof. VP Kumar, Research Director

Surprise Spills by RD (23 July)



Still smiling after this ... oops!

Ha Ha. Easy to answer

What is that?

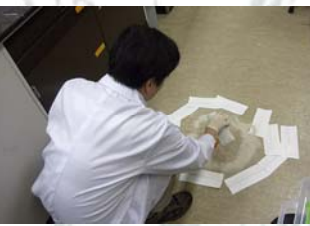
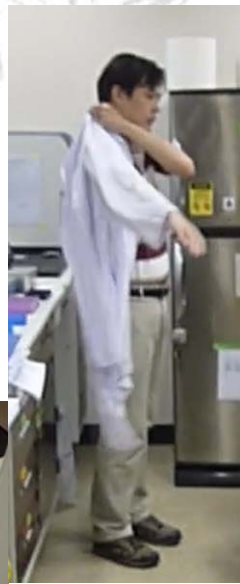
Wah! Even need kungfu



Red colored dye to simulate blood



Don't worry. I can handle it! Smile :-)



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NUS Level Programme: ASHPA (Safety Programme #2)

3 August 2012

The Auditors



Research Director & Department Safety Committee



Verification Clarification



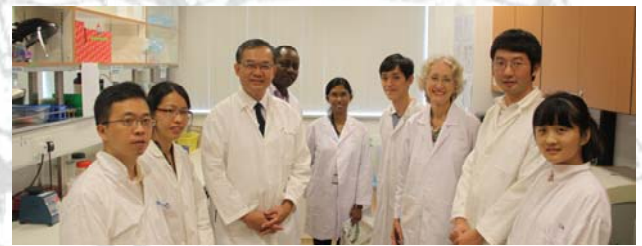
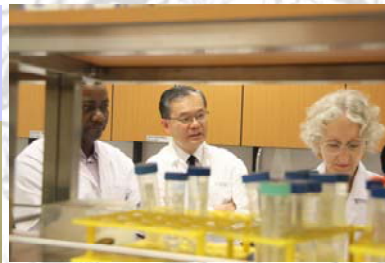
On site verification



NUS Level Programme: PI Certification Surveillance (Safety Programme #2)

6 & 7 August 2012

PI Surveillance Audit:
Prof. Wong Hee Kit



PI Surveillance Audit:
Assoc. Prof. Suresh Nathan



PI Surveillance Audit:
Assoc. Prof. James Hui



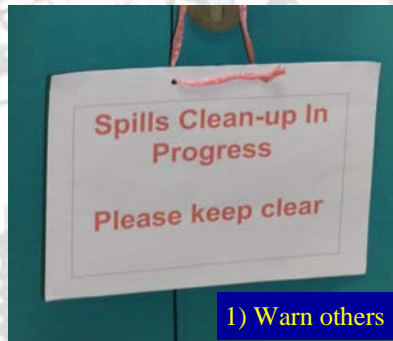
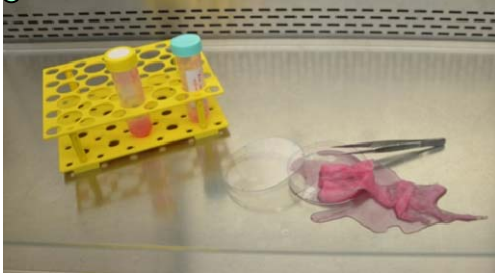
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Biological Spills Workshop (Safety Programme #4)

30 Oct 2012: Biological Spills Workshop in a Biosafety Level 2 Laboratory

Research staff were divided into 4 sessions of 7. Each session had 2 scenarios:
1) Spillage in a biosafety cabinet 2) Spillage in a centrifuge

Spillage in biosafety cabinet



1) Warn others

2) Get spills kit



9) Report Incident at Accident / Incident Reporting System <https://wvs.nus.edu.sg/airs/report.aspx> ... click click click



3) Discuss & Plan

8) Dispose clean up waste



4) Don't forget your PPE



7) Clean Up



5) Prepare disinfectant



6) Disinfect spills

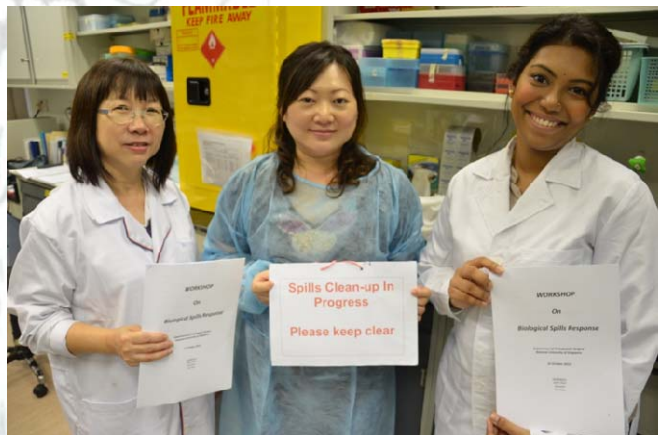
Biological Spills Workshop (Safety Programme #4) continued

Spillage in a Centrifuge



Don't Forget

THE TRASH!



JOB WELL DONE!

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In Memory Dr. Barry Peter Pereira 1962 - 2012

Dr. Barry Peter Pereira passed away on 20 July 2012 after a long illness. He is survived by his wife Geraldine and five children. Dr. Pereira joined the department as a Research Assistant in 1988. He was awarded Master of Engineering degree in 1996 and Doctor of Philosophy in 2004. Subsequently, he was promoted to Research Fellow and appointed Chairman of the Department Safety Committee.

He has contributed significantly to upper limb research and was an invaluable member of the pioneering research such as aesthetic prosthesis, microsurgery, osteosarcoma cell line, vascular bone graft and limb salvage. In basic research, he remained consistent with a dedicated and passionate interest in physiology and biomechanics of muscle tissue. His primary focus on the healing process of muscles in relation to its mechanical environment had also resulted in the development of a novel multi-segment musculoskeletal model. He was well integrated into both the medical and engineering communities and provided mentorship to new and budding researchers. His commitment and dedication to the pursuance of academic knowledge has inspired many old and new generation of doctors. Dr. Pereira has left a lasting legacy with his numerous publications and academic achievements in the field of bioengineering and upper limb orthopaedic surgery.

On a personal note, he was a loving husband and father and will be dearly remembered by his family and friends.

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2012 Department Safety & Health Objective

	Objective	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Current Status
1	To achieve zero reportable accidents / incidents to the Ministry of Manpower for 2012	0	0	0	Ongoing	In progress
2	100% of the Principal Investigators undergoing PI surveillance audit to pass by 1 December 2012.	In progress	In progress	In progress	All PI undergoing PI Surveillance	✓ Objective Met
3	To improve our Safety Management System by carrying out safety performance monitoring at least twice a year in 2012.	Audit & Inspection 16 & 17 January 2012	Audit & Inspection 20 - 25 June 2012	Management Review on 25 July 2012	-	✓ Objective Met

2012 Department Safety & Health Programme

	Objective	Responsible	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Current Status
1	Organize a safety activity every three months (after the Research Administration meeting) to serve as an avenue to raise awareness and provide training for old and new staff	Department Safety Committee	Safety Quiz, Safety Induction, CRC Fire Drill	Chemical Spills Demonstration, ODC Fire Drill	Mock Audit, Surprise Spills by RD	Biological Spills in a BSL2 Lab	✓ Completed
2	Participate in NUS level programmes such as ASHPA & PI Certification / Surveillance with regular activities geared to bridge the gaps identified through our PDCA cycle	Staff and Students	Ongoing	Ongoing	3 August ASHPA 6-7 August PI Surveillance	-	✓ Completed
3	Conduct Fire Drills at least once a year, in each of the building which our department laboratories occupy, to ensure that staff and students are prepared for emergency evacuation	Department Safety Committee, Facilitator: Dept. Fire Warden	16 February Clinical Research Centre Labs	10 May Orthopaedic Diagnostic Centre	-	-	✓ Completed
4	Conduct one Chemical Spills Exercise and One Biological Spills Exercise to familiarise staff and students with emergency spills procedure	Department Safety Committee, Facilitator: Chemical & Biological Safety ICs	-	11 April Chemical Spills Demo & Drill	-	31 October Biological Spills Workshop in a BSL2 lab	✓ Completed
5	Conduct laboratory safety inspection and audit laboratory SMS once in 6 months	Department Safety Committee	16 & 17 January	20 to 25 June	-	-	✓ Completed
6	Review laboratory safety performance once a year to ensure continual improvement	Principal Investigators & Research Directors	-	-	25 July 2012 by Research Director	-	✓ Completed

Team Bonding at Gardens by the Bay



Best wishes to all and to an even Better 2013!