

# COMMON GCP, MS IIT & CRM INSPECTION FINDINGS 2017

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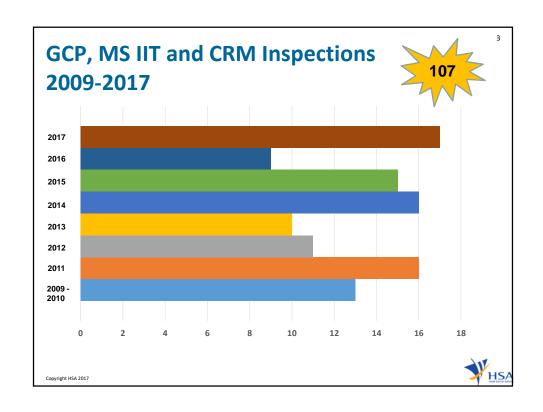
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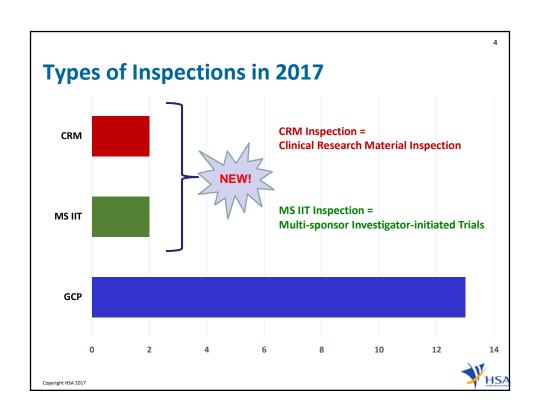


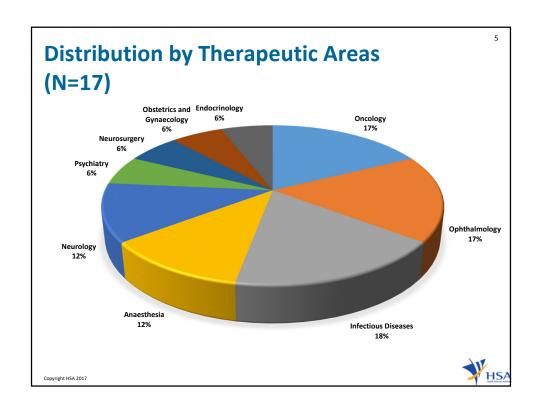
### **OUTLINE**

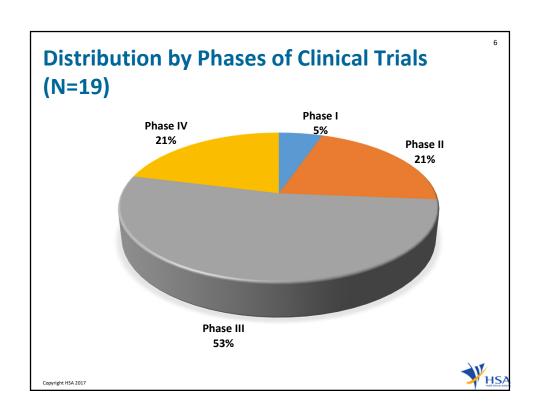
- General Overview
- GCP Inspections
- MS IIT Inspections
- CRM Inspections
- Case Studies

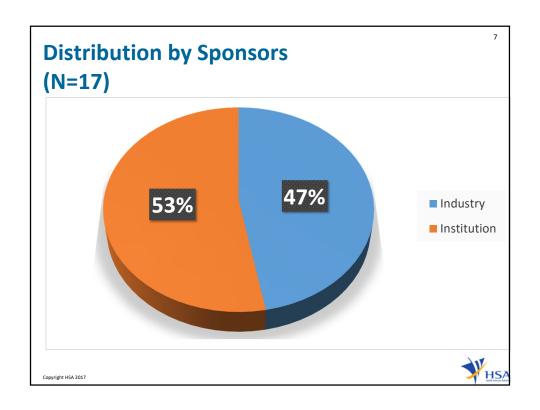


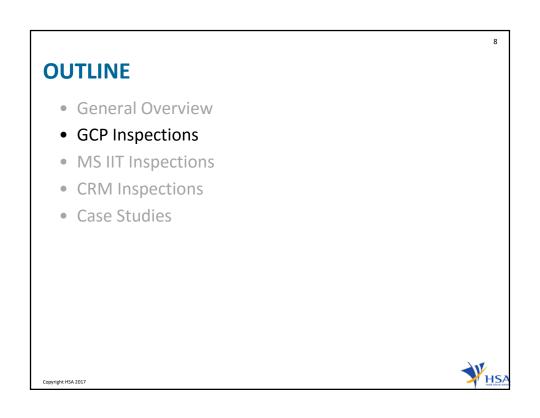












### **Objectives of GCP Inspections**

- ➤ To safeguard the Rights, Safety and Well-Being of trial subjects.
- ➤ To verify the Quality and Integrity of the clinical trial data submitted to the Regulatory Authority.
- ➤ To assess Compliance to protocol and applicable regulations, guidelines and standard operating procedures for clinical trials.

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10

# **Classification of GCP Inspection Findings**

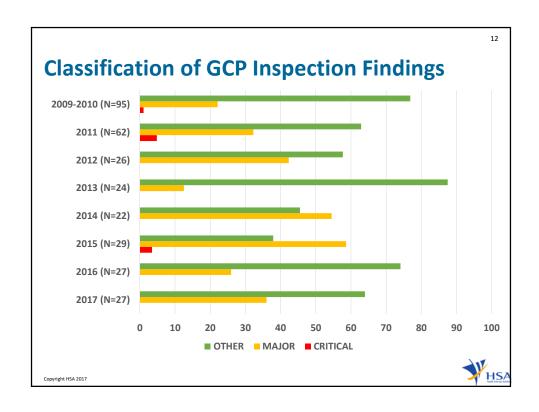
- **Critical:** Conditions, practices or processes that <u>adversely</u> affect the rights, safety or well being of the subjects and/or the quality and integrity of data.
- Major: Conditions, practices or processes that <u>might</u>
   adversely affect the rights, safety or well-being of
   the subjects and/or the quality and integrity of data.

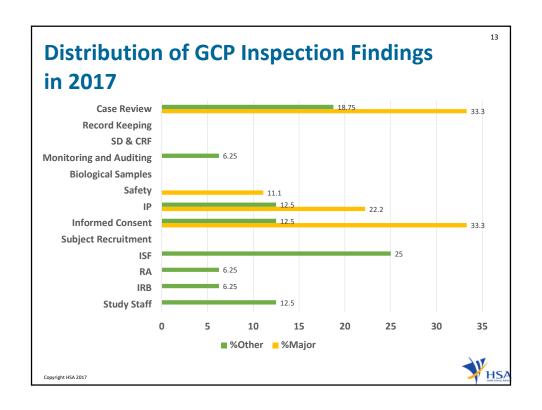


# **Classification of GCP Inspection Findings**

- Other: Conditions, practices or processes that would not be expected to adversely affect the rights, safety or well being of the subjects and/or the quality and integrity of data.
- **Comments**: The observations might lead to suggestions on how to improve quality or reduce the potential for a deviation to occur in the future.







# **Common GCP Inspection Findings Informed Consent**

• Informed consent obtained by Sub-investigator, who was not a locally registered medical doctor.

► Regulation 18(1) of Health Products (CT) Regulations

#### **REMINDER:**

- Informed consent must be obtained by an investigator who is:
  - ☐ Locally registered doctor / dentist; and
  - ☐ Authorised by the Principal Investigator to obtain informed consent.



# **Common GCP Inspection Findings Informed Consent**

- Monitor had acted as the impartial witness for the informed consent of a subject who was unable to read the informed consent.
  - ► Sections 1.26 and 4.8.9 of ICH E6 (R2) GCP Guidelines
  - ► Regulation 18(4) of the Health Products (Clinical Trials) Regulations

#### **REMINDER:**

☐ The impartial witness should be independent of the trial and not easily influenced by people involved in the trial.

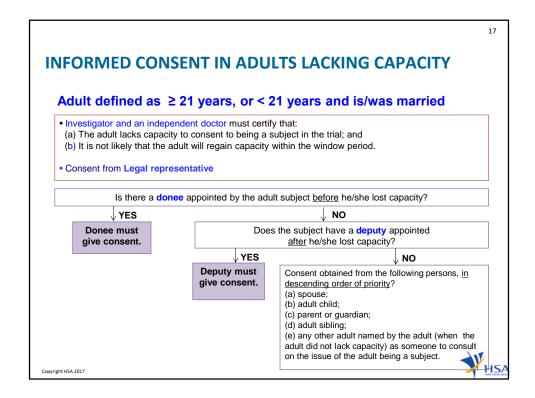
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# **Common GCP Inspection Findings Informed Consent in Adults Lacking Capacity**

- The person who had provided substituted consent for the subject lacking capacity did not qualify as a legal representative
  - ► Regulations 2(3) and 16(4) of the Health Products (Clinical Trials) Regulations





#### INFORMED CONSENT IN ADULTS LACKING CAPACITY [A] Spouse of the adult; [a] The order of priority applies in the absence of actual notice of any contrary indication given by the subject or prospective subject (when the subject or prospective subject did not lack [B] Adult child of the capacity); adult; [b] A person cannot be a legal representative of the subject or prospective subject if the person is also a donee or deputy, and there is an express provision in the lasting power of [C] Parent or guardian of the adult; attorney or appointment by the court that the donee or deputy is not authorised to give consent to the subject or prospective subject being a subject; [D] Adult sibling of the adult; or [c] The person referred to in [B], [C], [D] or [E]: may be a legal representative only if all persons [E] Any other adult having a higher priority compared to that person are not available or cannot be a legal representative by reason of sub-paragraph (a) or (b); and named by the adult (i.e. when the adult did not lack capacity) as cannot be a legal representative if any person having an equal or a higher priority compared to that person (other than a person who cannot be a legal someone to consult on the issue of the adult

being a subject.

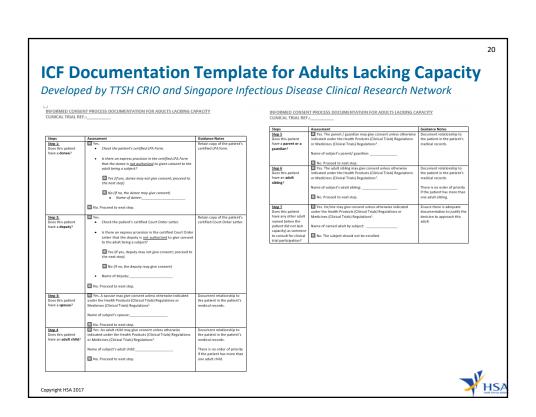
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representative by reason of sub-paragraph (a) or (b))

HS/

has objected to being a subject.

		Dlate for Adults Lacking Capacity Infectious Disease Clinical Research Network
INFORMED CONSENT PROCESS DOCUMENTA CLINICAL TRIAL REF.:  ELINICAL TRIAL TITLE		INFORMED CONSENT PROCESS DOCUMENTATION FOR ADULTS LACKING CAPACITY CLINICAL TRIAL REF
		The legal representative giving consent for the adult lacking capacity must act in the best interest of the subject. Please refer to the explanatory nate (refer to Page 4) on who can be a legal representative.
		Explanatory note on who can be a legal representative
A. SUBJECT DETAILS		A legal representative for adults lacking capacity, as defined in the Health Products (Clinical Trials) Regulations and the Medicines (Clinical Trials) Regulations is:
Name  NRIC / BC / FIN  Date of Sirth	PASTE SUBJECT STICKER HERE	<ol> <li>the done or deputy appointed pursuant to or under the Mental Capacity Act in relation to the giving or refusing of consent on behalf of the adult to be a subject, or</li> <li>where there is no donee or deputy referred to in (i), any of the following persons in descending order of princip.</li> </ol>
B. WRITTEN CERTIFICATION FOR LACK OF CAPAC  I examined the adult patient and certify that to Section 4 of the Mental Capacity Act. On the b INVESTIGATOR	this patient lacks capacity within the meaning of asis of this examination I certify in writing that: INDEPENDENT DOCTOR	<ul> <li>[D] agg adult sibling of the adult; or</li> <li>[E] agg, other adult named by the adult (i.e. when the adult did not lock capacity) as someone to consult on the issue of the adult being a subject.</li> </ul>
The investigator must be a qualified practitioner and authorised to obtain informed consent.	The independent doctor must be a qualified practition and not part of the study team.	*For the purpose of (ii), <u>all of the following applies</u> ;
The investigator must be a qualified practitioner and		*For the purpose of (ii), <u>all of the following applies</u> :  (a) The order of priority applies in the absence of any contrary indication given by the subject or the prospective subject when the subject of prospective subject did not lack capacity);  (b)  (c)  (deputy, and there is an express provision in the lessing power of attempt or appointment by the court that the dozen or deputy an and submitted to give consents to the duth being a
The investigator must be a qualified practitioner and authorised to obtain informed consent.  I certify that:  This patient lacks capacity to consent to being a subject. It is not likely that the patient will regain	and not part of the study team. I certify that:  This patient lacks capacity to consent to being a subject. It is not likely that the patient will regain capacity within the window period:	*For the purpose of (ii), all of the following applies:  (a) The order of pnority applies in the absence of any contrary indication given by the subject or the prospective subject when the busject of prospective subject and not tack capacity;  (b) A person referred to ii (i) connot be a legal representative of the person is also a donese or departy, and there is an express provision in the fasting power of atturney compositionent by subject; that the donese or departy as not submitted to give consent to the subject them to the device of departy and subject in the subject in the device of the devic
The investigator must be a qualified practitioner and authorised to abstin informed consent.  I certify that:  This patient lakes capacity to consent to being a subject. It is not likely that the patient will regain capacity within the window period.  (Specify the window period as required by the protocal)	and not part of the study team.  I certify that:  This patient licks capacity to consent to being a subject. It is not likely that the patient will regain capacity within the window period:  (Specify the window period as required by the proto	*Tor the purpose of (iii), all of the following applies:  (a) The order of princing applies in the absence of any contrary indication given by the subject or the prospective subject (when the subject / prospective subject of not lack capacity);  (b) A person referred to in (ii) connot be a legal representative if the person is also a done or deputy, and there is an express provision in the leasing power of ottame; or applications by the court that the done or deputy is not authorized to give consent to the abult being a subject.  (co)  (co)  (d) A person referred to in [8], (1) (a) or [c] —  May be a legal representative and it if all persons having a higher princing component to that person are not available or cannot be a legal representative by reason of (a) or (b); and  Cannot be a legal representative if in your person having an upday of higher princing
The investigator must be a qualified practitioner and authorised to attain informed consent. I conflip that:  I conflip that that coupley to consent to being a open conflip that the product of the conflip that the conflict that	and not part of the study team.  I certify that:  I has patient tacks capacity to consent to being a subject. It is not likely that the patient will regain capacity within the window period.  Specify the window period as required by the proto- Remarks (if any):	*ror the purpose of (ii), all of the following applies:  (ii) The outer of priving applies in the absence of presenting indication given by the subject of the proposition and priving applies the abject of proposition subject did not lost conscious;  (ii) A person applies and priving a proving power of patterney or appointment by the court that the done or peoply is not authorized to give consent to the doubt being a subject.  (iii) A person referred to in [iii], [ii], [iii] or [ii]  • In the person referred to a regular proving a biling the priving a bilinger priving componed to that person are not available or cannot be a legal representative by reason of (ii) or (ii), and
The investigator must be a qualified practitioner and authorised to attain informed consent.  Learlify that:    This gasters back capacity to consent to being a substitute in the product of the product in the product it is not fail bright to produce the product in the product	and not part of the study team.  "creft, that."  "This patient lacks capacity to convent to being subject. It is not lifely that the patient will regain capacity within the window period.  [Specify the window period as required by the proto.  Remarks (if any):  Name	**or the purpose of (ii). <u>Bill of the following applies:</u> (a) The order of priority applies in the absence of any contrary indication given by the subject or the arrainance subject when the subject if prospective subject did not lack capacity);  (b) experiment of the contract of the subject of prospective subject of deputs, and there is an express provision in the lessing power of attempt or appointment by the court that the donce not equity an not subhorised to give consent to the doubt being a subject;  (ci) A person referred to in [4], [c], [o] or [4] —  • Many be a legal representative only if all parsons having a higher priority compared to that person are not soulbulbe or cannot be a legal representative by reason of (i) or cannot be a legal representative only approaches that person being an equal or higher priority compared to the promote of the proposed between the present of the order of the proposed between the present only or priority compared to the proposed between the present only contractive presentative.
The investigator must be a qualified possiblener and authorised to date in informations consideration of content to the control of the content to being a subject. It is not likely that the patient will regain capacity with the window period.  [Ggeorgic that window period as required by the protocol] Remarks (if any):  Name Designation	and not part of the study team.  [In Transition licks capacity to convent to being, subject it is not licks capacity to convent to being, subject it is not licky that the patient will regain capacity within the window period.  [Specify the window period as required by the proto Remarks (if any):  Name  Designation	**or the purpose of (ii). <u>Bill of the following applies:</u> (a) The order of priority applies in the absence of any contrary indication given by the subject or the arrainance subject when the subject if prospective subject did not lack capacity);  (b) experiment of the contract of the subject of prospective subject of deputs, and there is an express provision in the lessing power of attempt or appointment by the court that the donce not equity an not subhorised to give consent to the doubt being a subject;  (ci) A person referred to in [4], [c], [o] or [4] —  • Many be a legal representative only if all parsons having a higher priority compared to that person are not soulbulbe or cannot be a legal representative by reason of (i) or cannot be a legal representative only approaches that person being an equal or higher priority compared to the promote of the proposed between the present of the order of the proposed between the present only or priority compared to the proposed between the present only contractive presentative.
The investigator must be a qualified possiblener and authorised to date in informations cannot be understood state of the control of the cont	and not part of the study form.  Cortify this:  This student liet is capacity to convent to being, subject, it is not liet to support to the proper capacity within the window period.  Specify the window period as required by the proto flemarks (if any):  Name  Designation  Oppartment	**ro the purpose of (ii), all of the following applies:  (a) The order of priority applies in the absence of any contrary indication given by the subject or the prospective subject (when the subject of the prospective subject (when the subject of the priority subject (when the subject of th



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			fectious Disease Clinical Research Network
INFORMED CONSENT PROC	CESS DOCUMENTATION FOR ADULTS LACKING CAPA	ACITY	INFORMED CONSENT PROCESS DOCUMENTATION FOR ADULTS LACKING CAPACITY CLINICAL TRIAL REF.:
D. INFORMED CONSENT FORM	M DETAILS		H. QUESTIONS
ICF Version and/or Date	Language of ICF Document	Date of informed	Please record any specific questions raised by the family or subject and the responses.
	ENGLISH MANDARIN MALAY TAMIL OTHER:	consent	
			I. VOLUNTARY PARTICIPATION
E. USE OF TRANSLATOR			The subject's legal representative understood the informed consent form and voluntarily agreed to allow the subject to participate in the clinical trial.
Was a translator required duri	ing the ICF process? YES NO		andwishe subject to participate in the clinical chair.
If YES, name of translator:	Language of discussion:		J. SIGNED COPY OF INFORMED CONSENT FORM
			Was a signed copy of the consent form provided to the subject/ the subject's legal representative?
F. USE OF IMPARTIAL WITNES	s		YES NO
	ired during the ICF process? YES NO		
If YES, name of impartial witne			K. NOTES [IF APPLICABLE]
	legal representative, or job title (if not related to ti	the subject's legal	
representative):			
Reason(s) for using an imparti	il withess:		
			I certify that the above is correct and true.
G. ATTENDANCE			Name of person obtaining informed consent Signature Date
	resent during the informed consent discussion (apart from	m yourself and the	
subject/ the subject's legal rec		II yoursen and the	
subject/ the subject's legal rep			
subject/ the subject's legal rep			

# **Common GCP Inspection Findings Informed Consent in Adults Lacking Capacity**

- Consent for continued participation was not obtained from the adult after the adult re-gained the capacity to give consent.
  - ► Regulation 16(9) of the Health Products (Clinical Trials) Regulations

#### **REMINDER:**

☐ Consent for continued participation must be obtained from the subject once the subject regains the capacity to give consent.



# **Common GCP Inspection Findings**

# **Investigational Product (IP)**

# For blinded CT involving IP repackaging

- Lack of traceability to product.
- No evidence of line clearance during repackaging process.
- Lack of written procedures for handling of IP.
  - ► Sections 2.13, 4.9.0, 5.14.3 of ICH E6 (R2) GCP guidelines

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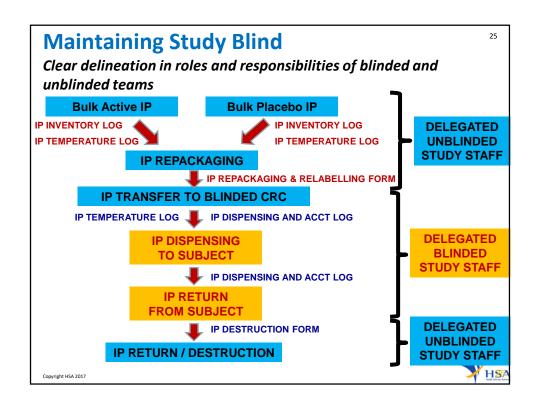


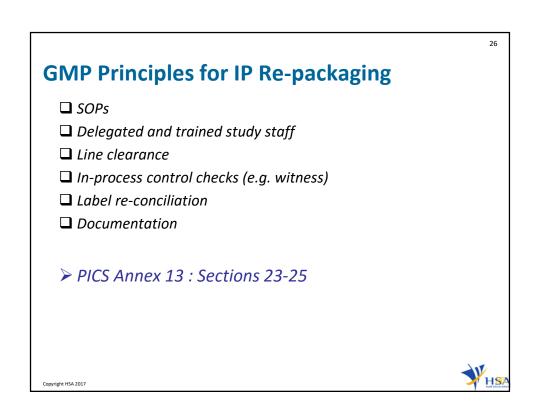
# **Common GCP Inspection Findings Investigational Product (IP)**

### For blinded CT involving IP repackaging

- The correspondences relating to IP management were not clearly delineated between the masked and unmasked teams, thereby potentially compromising the treatment blind.
  - ► Section 2.13 of ICH E6 (R2) GCP guidelines
- The unmasked CRC had dispensed the IP to the subjects prior to study-specific training on IP management.
  - ► Section 4.2.4 of ICH E6 (R2) GCP guidelines







# **Principles of IP/AP Labelling**

- (a) to ensure protection of the subject and traceability;
- (b) to enable identification of the product and the clinical trial;
- (c) to facilitate proper use and storage of the product;
- (d) to ensure the reliability and robustness of data generated in the clinical trial.
- ➤ Paragraph 1(1) of Second Schedule of Health Products (CT) Regulations
- Paragraph 1(1) of Third Schedule of Health Products (Therapeutic Products as Clinical Research Materials) Regulations

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### **OUTLINE**

- General Overview
- GCP Inspections
- MS IIT Inspections
- CRM Inspections
- Case Studies



# Multi-sponsor Investigator-initiated Trials (MS IIT) Inspections

#### Scope

► Clinical trials regulated under the Health Products (Clinical Trials) Regulations or the Medicines (Clinical Trials) Regulations.

#### Objectives for MS IIT Inspections (Systems):

- ► To safeguard the rights, safety and well-being of trial subjects.
- ► To verify the quality and integrity of the clinical trial data submitted to the Regulatory Authorities
- To assess compliance to protocol, applicable regulations, guidelines and standard operating procedures for clinical trials.
- ► To assess whether a system is suitably designed, controlled, maintained and documented to fulfill the objectives for which it has been set up.
- ► To identify areas for quality improvement.



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# Multi-sponsor Investigator-initiated Trials (MS IIT) Inspections

#### MS IIT Inspection Criteria

- i. Protocol
- ii. Applicable clinical trials and clinical research materials regulations
- iii. ICH E6 (R2) Good Clinical Practice Guidelines [ICH E6 (R2) GCP]
- iv. Applicable Sponsor / Contract Research Organization (CRO) / Site Standard Operating Procedures for clinical trials

#### Inspectee

- Lead sponsor
- Other sponsor

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**Common MS IIT Inspection Findings Lead Sponsor Responsibilities - MAJOR** 

- Substantial amendments to informed consent form were not submitted to HSA.
  - ► Regulation 10(2) of the Health Products (Clinical Trials) Regulations
- Laboratory kits had been imported into Singapore without CRM Notification.
  - ► Regulation 4 of Health Products (Medical Device) Regulations

#### **REMINDER:**

□ Lead sponsor must be aware of lead sponsor responsibilities in addition to sponsor responsibilities.

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# Additional Legal Duties for Lead Sponsors and Other Sponsors for MS IITs

#### **Lead Sponsor**

- Regulatory submissions and notifications to HSA (e.g. CTC/CTA/CTN applications, amendments, serious breaches, trial status reports, final trial reports, etc)
- 2. Ongoing safety evaluation of study drug(s) administered to subject
- Prompt notification to all participating site investigators/institutions of findings that could adversely affect subject safety or impact conduct of trial
- Notification of unexpected serious adverse drug reactions, and serious breaches of GCP/protocol, to HSA

#### Other Sponsor(s)

- Report immediately to lead sponsor any SAE at participating site, or any finding that could adversely affect subject safety or impact conduct of trial
- 2. Provide all relevant information to lead sponsor that is necessary for the lead sponsor to perform trial-related regulatory submissions and notifications to HSA

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Common MS IIT Inspection Findings Investigational Product - Critical

• IP Storage Temperature Logs were inaccurate.

• Sections 2.10 and 4.9.0 of ICH E6 (R2) GCP Guidelines

| Data | Time of | Current | Michinum | Miskinum | Miskinum | Common |

**OUTLINE** 

- General Overview
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4

# **Clinical Research Material (CRM) Inspections**

#### Scope

➤ Clinical trials regulated under the Health Products (Clinical Trials) Regulations or the Medicines (Clinical Trials) Regulations.

#### Objectives

- CRM is supplied for clinical research approved by the IRB and HSA;
- ► Records of manufacture, receipt, supply and disposal (or export or putting to other use) are maintained;
- ► CRM is properly labelled.



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36

# **Clinical Research Material (CRM) Inspections**

#### CRM Inspection Criteria

- i. Protocol
- ii. CRM Regulations i.e.
  - Health Products (Therapeutic Products as Clinical Research Materials) Regulations - for Therapeutic Products used as CRM.; or
  - Medicines (Medicinal Products as Clinical Research Materials)
     Regulations for Medicinal Products used as CRM.
- iii. ICH E6 (R2) Good Clinical Practice Guidelines [ICH E6 (R2) GCP]
- iv. Standard Operating Procedures (SOPs)

#### Inspectee

- ▶ Local sponsor
- ► Local Depot
- ► Local Trial Sites



# **Common CRM Inspection Findings**

- Discrepancies in CRM inventory between IVRS report and physical stock at site.
  - ► Regulation 16(1) of Health Products (TP as CRM) Regulations
- Discrepancies in records for CRM receipt and supply
  - ► Regulation 16(1) of Health Products (TP as CRM) Regulations

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38

# **Common CRM Inspection Findings**

- Discrepancies in CRM Storage
  - Temperature loggers were not re-calibrated;
  - Reports from temperature loggers were not reviewed regularly;
  - Min-max thermometer was not re-set after temperature excursion;
  - Temperature excursions were not reported to the sponsor.
  - Temperature logs for another CT had been filed without blinding the trial information of the latter trial.
  - Sections 4.6.4 and 4.9.0 of the ICH E6 (R2) Good Clinical Practice Guidelines



### **OUTLINE**

- General Overview
- GCP Inspections
- MS IIT Inspections
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# **CASE STUDY**

- Protocol Title: A phase 3, randomised, double-blind, placebo-controlled clinical trial comparing the safety and efficacy of Bipisartan and placebo in hypertension.
- Principal Investigator: Dr Lauren Wong
- Clinical Research Coordinator: Ms Gina Ong

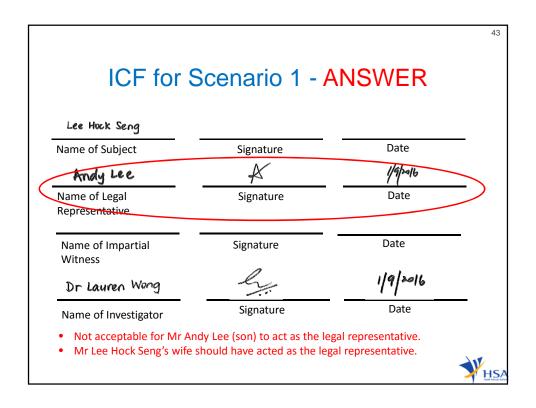


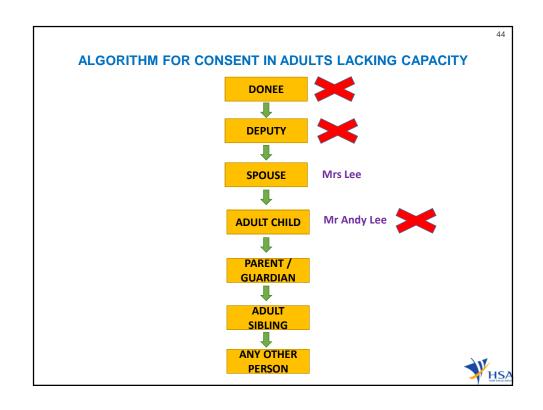
# **SCENARIO 1**

- Mr Lee Hock Seng (80 yrs, moderate Alzheimer's disease) was enrolled into this clinical trial.
- He was accompanied by:
  - His wife is 70 yrs, mentally competent, wheel-chair bound; and
  - His son, Mr Andy Lee.



	F for Scenari	0 1
Lee Hock Seng		
Name of Subject	Signature	Date
Andy Lee	K	1/9/2016
Name of Legal Representative	Signature	Date
Name of Impartial Witness	Signature	Date
Dr Lauren Wong	l.	1/9/2016
Name of Investigator	Signature	Date





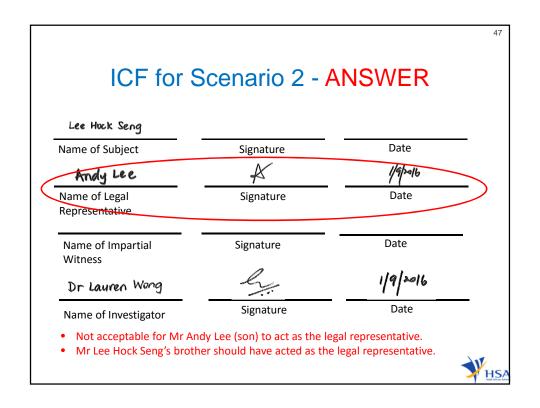
### **SCENARIO 2**

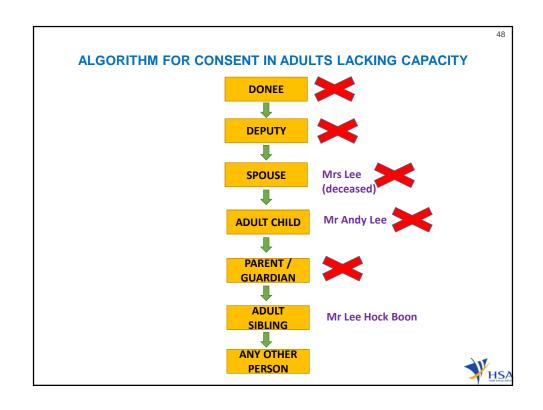
- Mr Lee Hock Seng (80 yrs, moderate Alzheimer's disease, widower) was enrolled into this clinical trial.
- Before Mr Lee Hock Seng lost capacity, he had nominated in writing that his younger brother, Mr Lee Hock Boon, should take charge of his affairs in the event that he lost capacity.
- Mr Lee Hock Seng was accompanied to the trial site by his son, Mr Andy Lee.



IC	F for Scenari	0 2
Lee Hock Seng		
Name of Subject	Signature	Date
Andy Lee	K	1/9/2016
Name of Legal Representative	Signature	Date
Name of Impartial Witness	Signature	Date
Dr Lauren Wong	ly.	1/9/2016
Name of Investigator	Signature	Date

23

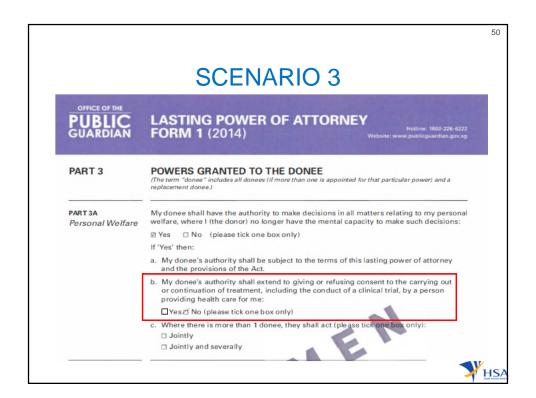




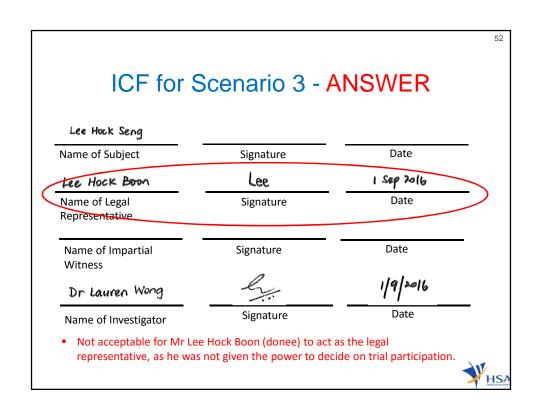
#### **SCENARIO 3**

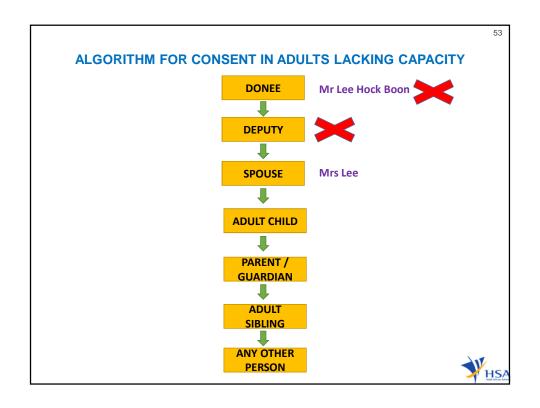
- Mr Lee Hock Seng (80 yrs, moderate Alzheimer's disease) was enrolled into this clinical trial.
- He was accompanied by his wife (Mrs Lee) and his younger brother (Mr Lee Hock Boon).
- Before Mr Lee Hock Seng lost capacity, he had nominated in writing that his younger brother, Mr Lee Hock Boon, to be his donee in the event that he lost capacity.





10	F for Scenar	10 3
Lee Hock Seng		
Name of Subject	Signature	Date
Lee Hock Boon	Lee	1 Sep 2016
Name of Legal Representative	Signature	Date
Name of Impartial Witness	Signature	Date
Dr Lauren Wong	ly.	1/9/2016
Name of Investigator	Signature	Date





### **SCENARIO 4**

- Mr Lee Hock Seng (80 yrs, moderate Alzheimer's disease, widower) was enrolled into this clinical trial.
- His son, Mr Andy Lee, looks after him.
- Mr Lee Hock Seng was accompanied by his brother, Mr Lee Hock Boon, to the trial site for the first study visit.



IC	F for Scenar	10 4
Lee Hock Seng		
Name of Subject	Signature	Date
Lee Hock Boon	Lee	1 Sep 2016
Name of Legal Representative	Signature	Date
Name of Impartial Witness	Signature	Date
Dr Lauren Wong	S.	1/9/2016
Name of Investigator	Signature	Date