

如何設計和組織教學內容

What is issue-enquiry approach?

- The learner searches for relevant solutions to a problem (issue) and can argue for and against the possible solutions.
- Development of skills to identify, investigate, understand, evaluate issues and offer solutions for them.

The process

- What is the issue?
- Why does this issue arise?
- What information is available? How might students obtain the basic information?
- When analysing the information, how to distinguish between facts and opinions?
- For a certain view, how strong is the evidence?

- What further information do you require to make a personal judgement? What methods of enquiry would you use?
- Are there different approaches to this issue?
- What attitudes and values appear to underlie these different approaches?
- Can a solution/consensus be reached?
- How to make informed judgement / decision ?

Merits of the issue-based approach: Relevant, meaningful, motivating Explore an issue from different perspectives Develop critical thinking & decision-making skills

Problems of the issue-based approach:
How to acquire the background knowledge?
How to organise the acquired knowledge?
What methods of enquiry should be used?

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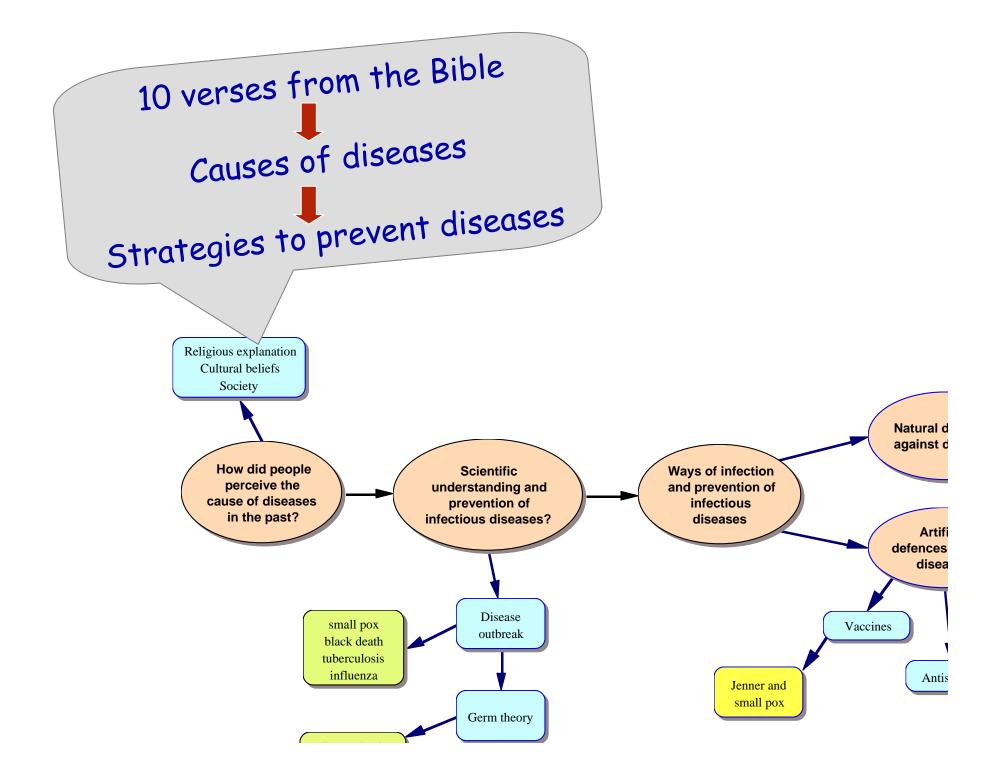
透過本學習範圍的學習經歷,學生應能:

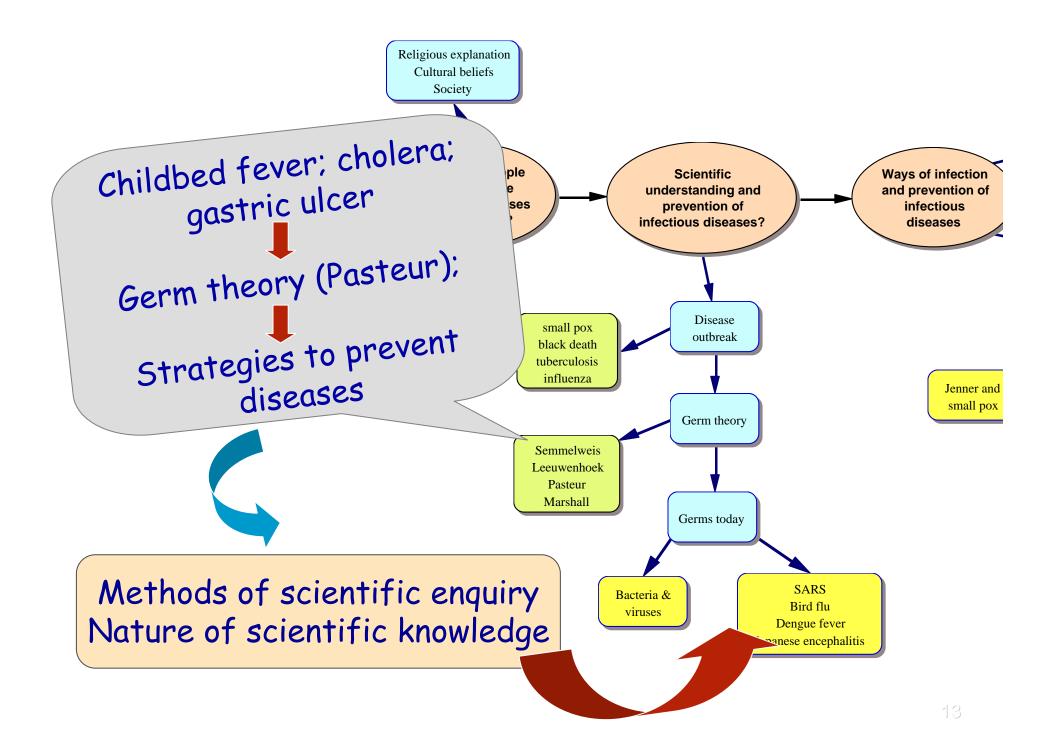
- (a) 了解科學與科技對公共衛生和環境的影響,以及當中的含意;
- (b) 應用科學、科技與環境的知識,處理影響現代社會的議題;
- (c) 培養科學化、批判性、富創造性和獨立的思考能力,以建構知識及解決問題;
- (d) 培養對有關科學、科技與環境範疇的意念和觀點的理解能力和溝通能力;
- (e) 覺察有關科學、科技與環境的社會、文化和道德議題,並能在這些議題上作出判 斷和有識見的決定;
- (f) 尊重大自然及一切生物, 並成為致力保護社會及環境的負責任公民。

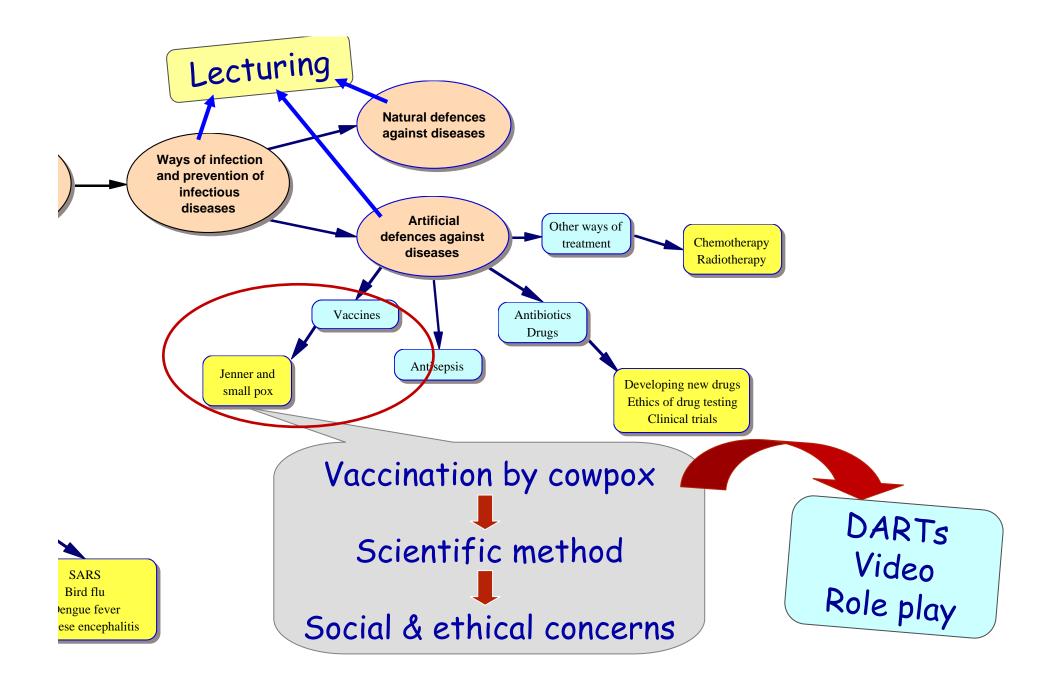
探討問題	相關價值觀和態度
人們對疾病和公共衛生的理解如何受不同因素影響?	重視他人建議;尊重
• 以往人類如何理解疾病的成因?有關理解是否符合科學精	證據;尊重不同的生
神?	活方式、信仰及見
 人們對健康的理解怎樣受經濟、社會等因素影響? 	解;文化承傳
• 科學與科技的發展怎樣影響人類對公共衛生的理解?	
• 處於不同文化下,健康資訊、社會期望及個人信念和價值	
觀,如何影響人們對公共衛生的理解?	
科學與科技在何等程度上可以促進公共衛生的發展?	人類整體福祉;人權與
 科學與科技能否為預防和控制疾病提供新的解決方法? 	責任;合作;道德考慮
• 在公共衛生的範疇,科學與科技的發展如何受不同因素影	
響及引發哪些議題?科學和科技研究的成果如何受到尊	
重和保護?	
 社會各界、政府及國際組織在維持及推動公共衛生方面會 	
面對甚麼挑戰?	

- 科學與科技在醫學研究和發展(如新疫苗和抗生素的研發)的貢獻,如
 - 建基於科學方法的成效測試
 - 客觀、有效和可信的量度方法
 - 準確及高效的測量儀器
- 科學與科技發展引發的議題,如
 - 藥物的專利權
 - 生物科技發展的規管和道德考慮
 - 醫療技術和知識的轉移
- 個人的權利與責任,如在公眾地方要有良好習慣和健康的生活方式,以及不同持份 者對公共衛生服務的訴求和影響

How to organise these issues and related knowledge ?

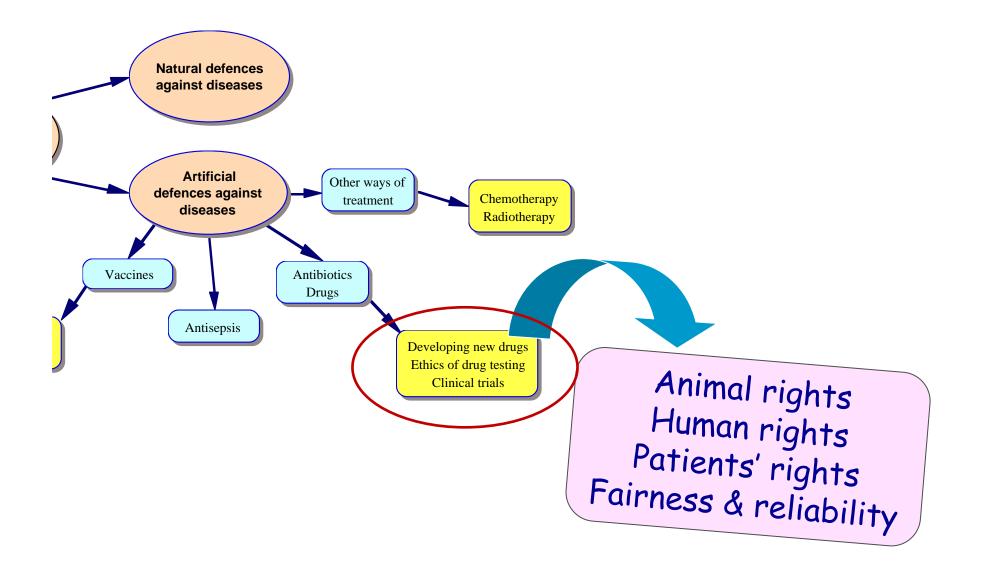


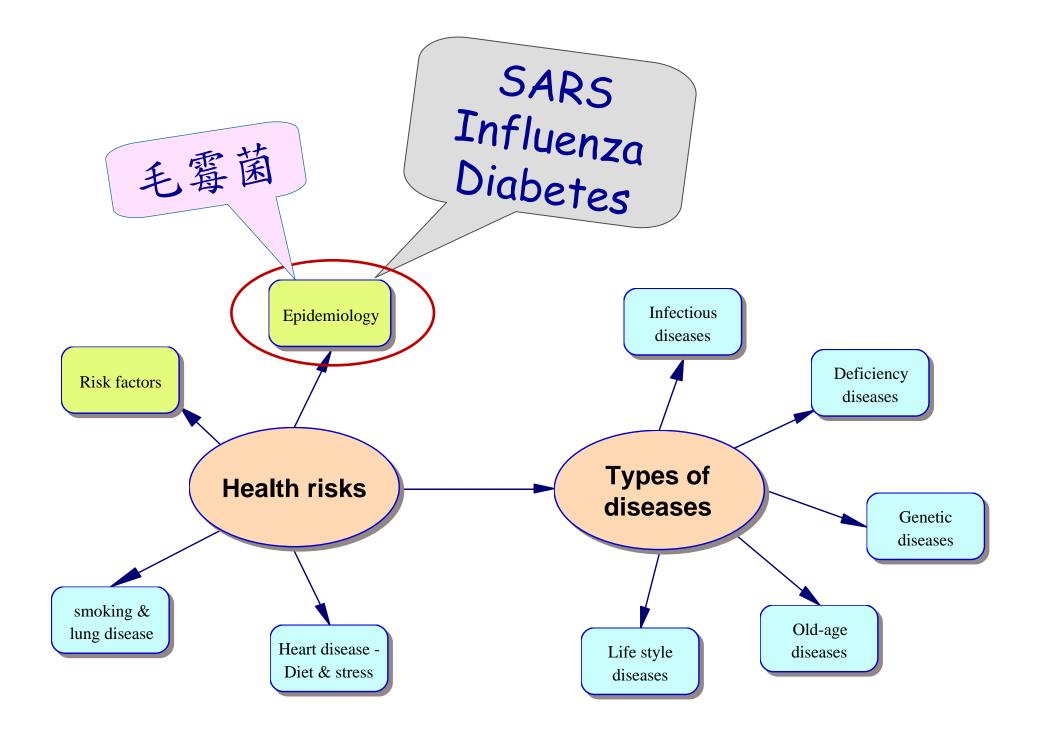


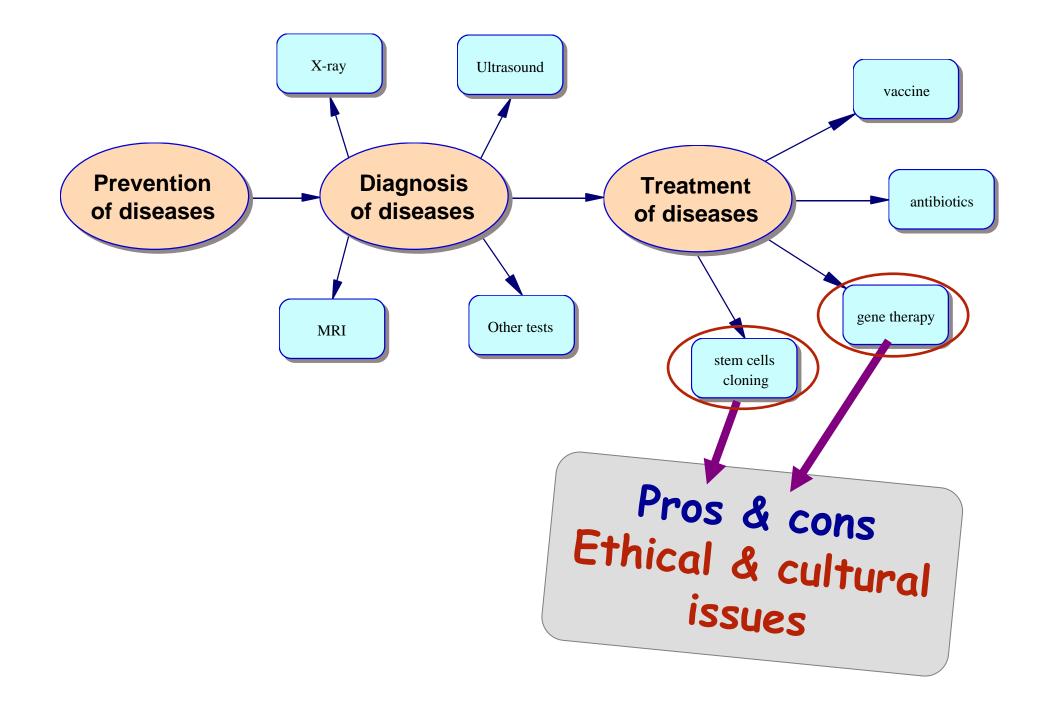


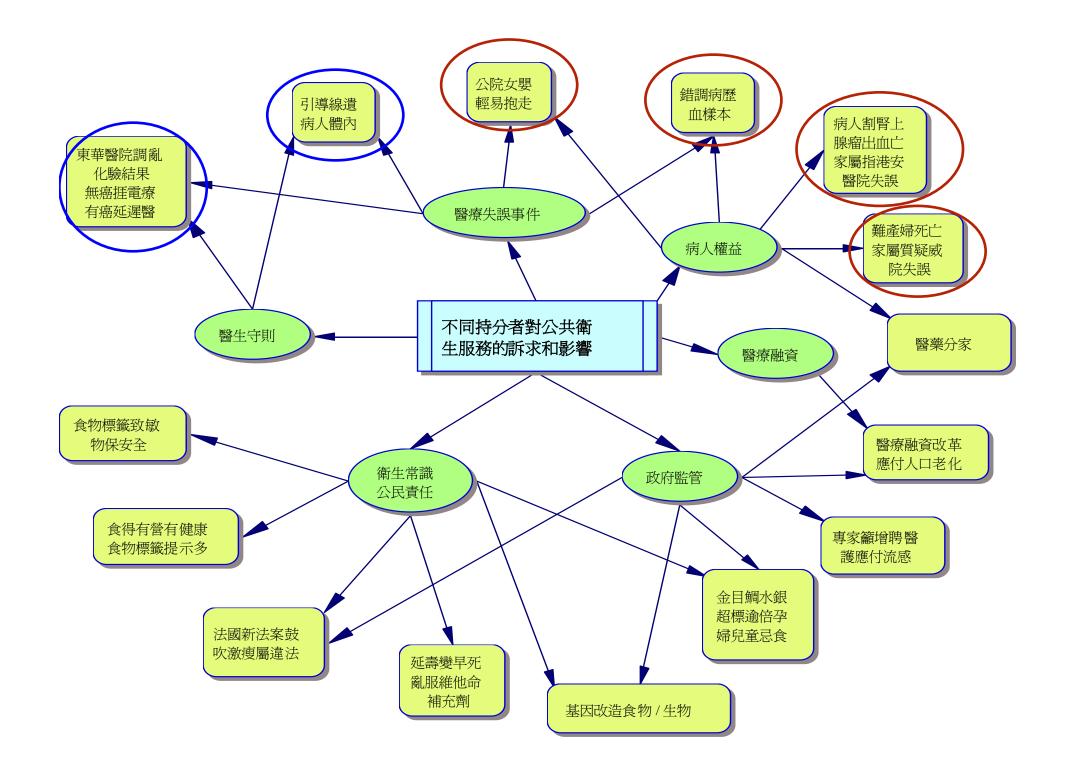
The Cow pock ____ or ____ the Wonderful Effects of the new Inoculation!

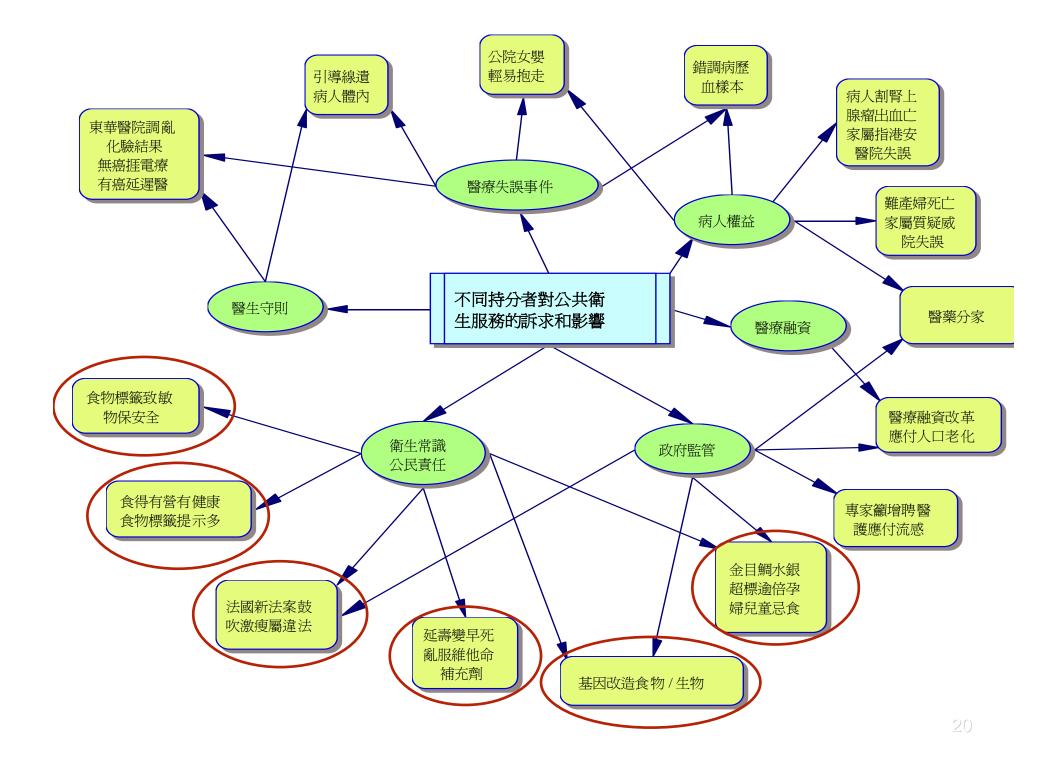
The publication of Anti-Vaccine Society

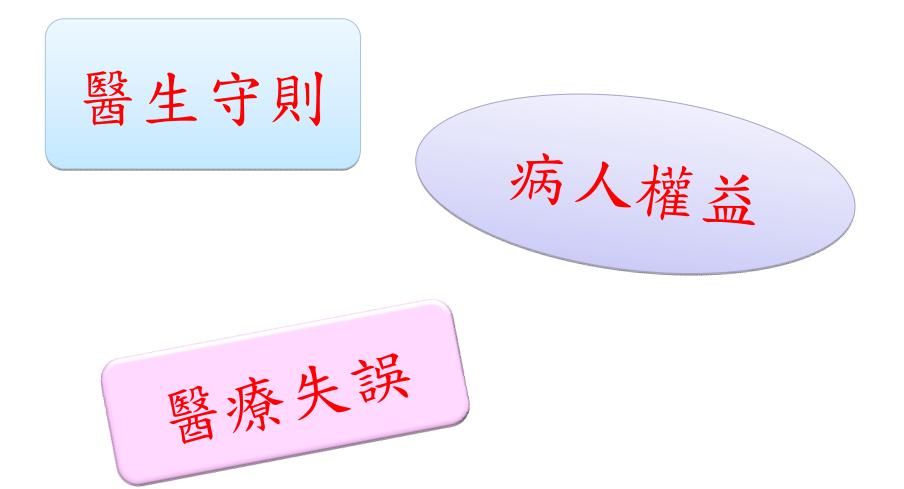




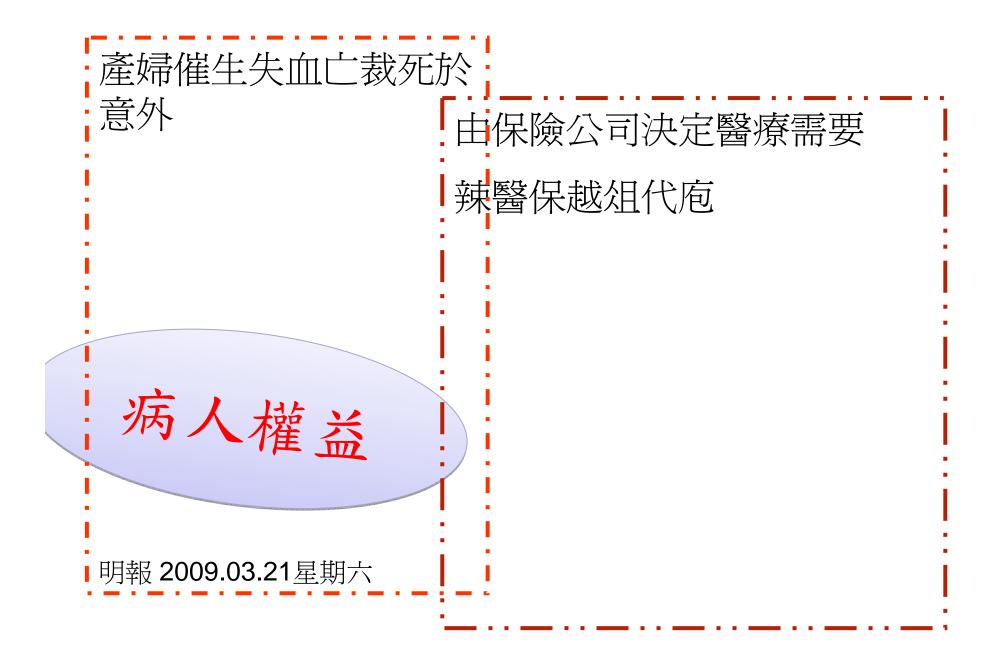


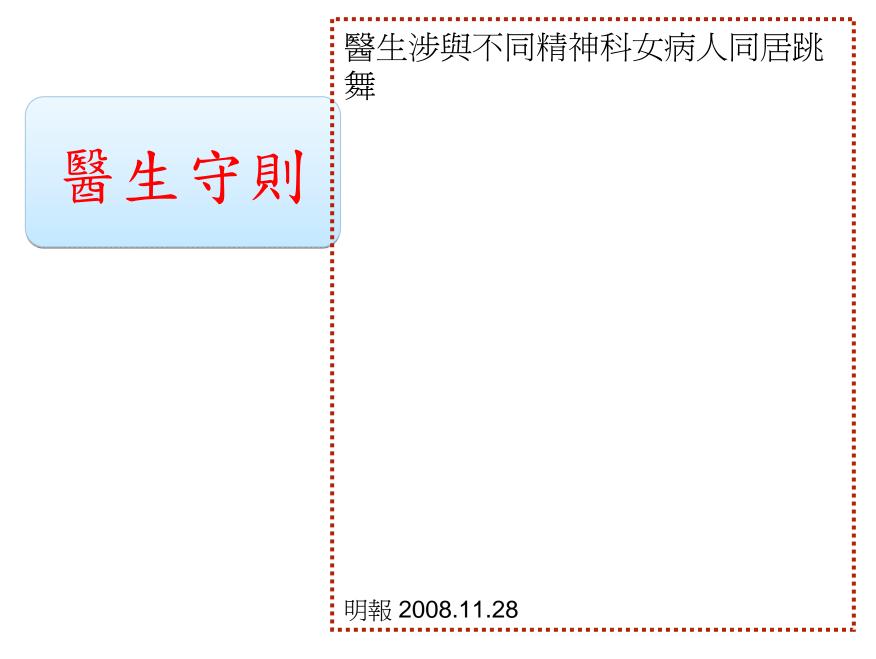












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