## **Delivering Effective Presentations**

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- Skillful delivery / Creating a Connection
- Dealing with nerves



Who is my audience?

What do they already know

How interested are they?

Their needs, interests, concerns



## Visual Aids - slides

- Types of visuals
  - Text, chart, figures
- Why use visuals?
  - Emphasize key points
  - Present information clearly



## Visual Aids - slides

### DO

- Suitable slide structure e.g font size, contrast
- Agenda slide
- Slide titles

## Visual Aids - slides

### Do Not

- Present too much information/colors
- Slides that are difficult to read
- Use a distracting design or animation



## Type 2 Diabetes Mellitus

- In type 2 DM (previously called adult-onset or non-insulindependent), insulin secretion is inadequate
- The disease generally develops in adults and becomes more common with age.
- Plasma glucose levels reach higher levels after eating in older than in younger adults, especially after high carbohydrate loads, and take longer to return to normal, in part because of increased accumulation of visceral and abdominal fat and decreased muscle mass.
- Type 2 DM is becoming increasingly common in children as childhood obesity has become epidemic: 40 to 50% of new-onset DM in children is now type 2

PLEASE NOTE: This PowerPoint is intended to be remodeled for the purposes of SlideFest.

# are wonderful and here's why. 20 20 20 20 20 20

Body language

- Gestures
- Eye contact
- Facial expression
- Movement
- How you stand

Maintain Eye Contact

- 3-5 seconds eye contact
- Do not read the screen
- Face the audience, not the screen



## Strong voice – clearly, slowly, loudly, pausing

- Volume
  - Speak to the back of the room
- Variation
  - Vary your pitch and volume
- Pauses
  - Pause to emphasize



## Managing nervousness

- Prepare, prepare, prepare
- Arrive early
- Breathe
- The audience is full of nice people
- What's the worst that could happen?



## Managing nervousness

 Your nervousness is not usually noticeable to your audience

 Your audience will not notice if you forget to say something



Communication is: 7% verbal (words)

38% vocal (voice)

55% visual (what you see)

## **Example of Successful Slides**

## **Project Title**

**Student Name** 

**Superviser Name** 

**Presentation Date** 











Melanoma is a malignant cancer of melanocytes Most commonly originating from the skin CM is responsible for the majority of skin cancer deaths Very poor prognosis

#### Melanoma Incidence Rate: 1979-2012

European Age-Standardised Incidence Rates per 100,000 Population, by Sex/ Age, Great Britain, 1979-2012



Year of Diagnosis



Year of [	Diagnosis
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Source: cruk.org/cancerstats



**Risk Factor** Example(s) UVR Sunburns Regular use of tanning bed History of Skin Cancer Personal and family history of CM and NMSC Skin Phenotype White race Blonde hair Medications Chronic photochemotherapy Immune suppressants Genetic disorders (e.g. xeroderma pigmentosum) Medical condition Immune suppression AIDS Transplant recipient Pesticides Environmental Heavy metals Skin lesions Dysplastic nevi Number of Nevi Others Age (>40 years) Gender (males>females) Geographic location Obesity

Gandini S, *et al, Eur J Cancer*. 2005 Epstein FH *et al, N Engl J Med*, 1999

#### Melanoma Staging and Progression



Immune system escape Increase anti-apoptotic proteins Decrease apoptotic proteins Metastasis

Stage III and IV melanoma represent one of the most drug-resistant neoplasm and associated with a poor patient prognosis





#### 1 up to 100 nm

Drug delivery systems have employed for

- o Imaging,
- Thermos-ablative therapy and
- Drug delivery



#### NPs Increase Drug Accumulation at Tumour Sites by Enhanced Permeability and Retention (EPR) Effect.

Wang L, *ACS Nano*, 2017 Maeda H, *Cancer Res*. 1986 Kobayashi H, *Theranostics*. 2014



#### Nanotechnology combines combinatorial therapy advantages with tumour cell targeting



- ✓ Low toxicity
- ✓ Long a plasma half life
- ✓ Conjugated with various ligands
- ✓ Biodegradable by the biological enzymes





BRAF status	Cell line	IC <sub>50</sub> (nM)
BRAF <sup>V600E</sup>	A2058	1012
	A375	770
	SK-MEL-5	153.8
	MEL-501	704.6
	M229	297
	SK-MEL-28	796
BRAF <sup>WT</sup>	M285	N/A
	M296	2043
	M202	1710

PTX and SEL are the most potent drugs on melanoma cells among the seven tested compounds

The synergistic ratio of combination exerted a limited cytotoxic effect on normal skin cells but was potent in melanoma cells

The combination of PTX and SEL increases ROS and mitochondrial dysfunction indicating that mitochondria are the key source of ROS production

Antioxidants rescued melanoma cells from the drug combination-induced cell

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