



**GIG**  
CYMRU  
**NHS**  
WALES

Bwrdd Iechyd Prifysgol  
Bae Abertawe  
Swansea Bay University  
Health Board

Cadeirydd/Chair: **Emma Woollett**  
Prif Weithredwr/Chief Executive: **Mark Hackett**

**gofalu am ein gilydd, cydweithio, gwella bob amser**  
**caring for each other, working together, always improving**

Rydym yn croesawu gohebiaeth yn y Gymraeg neu'r Saesneg. Atebir gohebiaeth Gymraeg yn y Gymraeg, ac ni fydd hyn yn arwain at oedi.  
We welcome correspondence in Welsh or English. Welsh language correspondence will be replied to in Welsh, and this will not lead to a delay.

## **Cais Rhyddid Gwybodaeth / Freedom of Information request** **Ein Cyf / Our Ref: 23-C-025**

### **You asked:**

**1)**

**a. Is 3D printing technology being used at your facilities?**

Yes

**If the answer to Q1a is Yes then skip to Q2.**

**If the answer to Q1a is No then:**

**b. Do you plan on utilizing 3D Printing technology in the near future?**

Not applicable

**If the answer to Q1b is No then you may skip the rest of the questionnaire.**

**If the answer to Q1b is Yes then:**

**c. What part(s) do you intent to 3D print (e.g. Prosthetic limbs, hearing aids etc.)?**

Not applicable

**2) What 3D Printers are being used for producing the parts (Brand name & model)?**

Formlabs, Form 3

Formlabs, Form 2

Raise 3d Pro2

**3) What type of parts/products are being printed (e.g. Prosthetic hand, prosthetic leg, splint, hip joint etc.) Please be specific.**

Guides

Models



**Pencadlys BIP Bae Abertawe, Un Porthfa Talbot, Port Talbot, SA12 7BR / Swansea Bay UHB Headquarters, One Talbot Gateway, Port Talbot, SA12 7BR**

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Swansea Bay University Health Board is the operational name of Swansea Bay University Local Health Board

Prototypes  
Pressure clips  
Assistive Devices for aids of daily living (devices for use with upper limb) e.g. for eating, dressing  
Accessories for wheelchairs – e.g. joystick adaptations  
Surgical drilling guides  
Surgical cutting guides  
Pressure therapy splints  
Facial/breast prosthesis prototypes  
Burns mask models  
Cleft special trays  
Study models  
Anatomy models (fibula/mandible)  
Training models for surgeons  
Temporary nasal prosthesis  
Nasal spetum models  
Nasal obturators/dialators

**4) What materials are being commonly used for 3D printing at your facilities?**

Stereolithographic resins  
PLA filaments  
Biocompatible Photopolymer resins (surgical guide / biomed clear)  
Photopolymer Resins ( model V2/ Clear V4/ Grey V4)

**5) What ISO standards and/or other ASTM/BS standards are being followed when producing the parts/products?**

ISO 13485

**6) Please briefly describe the ethics process that is required for using 3D printing parts in patients?**

Not applicable – SBUHB do not print any parts that are implanted in patients.

