

IUE

Iwi United Engaged, Ltd

Ki te kaahore he whakakitenga, ka ngaro te Iwi
Without foresight or vision, the people will be lost

Paanui

ISSUE: 6

Mahuru (September) 2023

Ko te Atua too taatou piringa
ka puta ka ora.
Paimaarire

Manaaki Sessions

Hononga

<https://meet.google.com/jgb-bqfe-nmb>

Next Manaaki session

28/09/2023 @ 1900hrs

Consultations

To set an appointment please visit our booking system.

www.picktime.com/IUEbookings

Choose your consultant through locations ie:
Whaea Misty consultation/Manaaki.
Pick a preference of kanohi-ki-te-kanohi OR zui,
the choice is yours.

Include a brief summary of your needs and study



Misty Edmonds

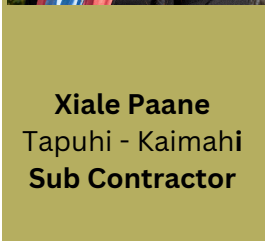
Te Tumu
Whakarae
CEO

IWI UNITED ENGAGED LIMITED
Commitment to advancing Maaori health and wellbeing through the development of culturally informed and relevant research.

Steph Shankar
Kaiwhakahaere
Pakihi
Operational
Manager



**Whaea
Te Inuwai Elia**
Kaitautoko
Cultural Support



Xiale Paane
Tapuhi - Kaimahi
Sub Contractor



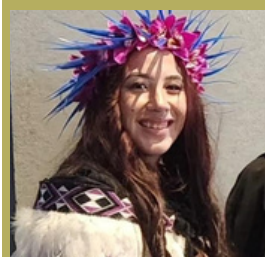
Kahu Ama
Tapuhi Maaori
Kaimahi
Sub Contractor



**Ko te Atua te taatou piringa
Ka puta ka ora
Paimaarire**

**Te tuatahi, ka tuku atu te mihi
aroha kia Nana,
Whaea Misty, Whaea Steph, Kahu
me te whaanau i pani ai te
wehenga atu
o too koutou Hoa Rangatira,
Matua Koroua
He maimai aroha
kia koe
Poppa Murray
Ki au to moe e te Rangatira**

I would like to acknowledge the loss within in our whaanau of Iwi United United Limited



Doing great stuff

**Manawatia Te Wiki o Te Reo Maaori
Tukuna Te Reo kia rere, kia tika, kia Maaori**

20 Hoongongoi 1987

**Maaori was made an official Language of Aotearoa
Kia Kaha ki te koorero i te Reo**

KARAKIA - Prayer

Ooku nei whakaaro, ko te karakia he mea rongonui ki te Ao
Maaori.

He karanga kia haumaruru taatou katoa,
ahakoa ko wai ahakoa no whea.

E whaarikihia he korowai aroha, manaaki, tiaki irunga i te
katoa.

My thoughts on Karakia, is a very important part of the
Maaori world. It is a call to keep us all safe regardless of
who we are or where we are from. We demand the cloak of
love, care and protection over us all.

Ki te kore koe e koorero me peewhea koe ka ako
If you do not speak how will you learn

Nga o te wiki

Monday - Raahina
Tuesday - Raatu
Wednesday - Raapa
Thursday - Raapare
Friday - Raamere
Saturday - Raa Horoi
Sunday - Raa Tapu

Nga marama o te tau

January - Kohitaatea
February - Hui-tanguru
March - Poutuu-te-rangi
April - Paenga-whaawhaa
May - Haratua
June - Pipiri
July - Hoongongoi
August - Here-turi-kookaa
September - Mahuru
October - Whiringa-aa-nuku
November - Whiringa-aa-rangi
December - Hakihea

An opportunity to win one of two prizes

1st prize: A set of 10 Pukapuka

2nd prize: A set of 5 Pukapuka

Excellent read for mokopuna and/or yourself

Email your translations of the words below to me (whaea@iue.net.nz)
before Wednesday 27th Mahuru 2023)

**Ear - Nose - Eyes - Body - Cancer - Diabetes - Feet - Hands - Heart
Students - Lecturers - Chair - Table - Researchers - CEO
Stroke - Cancer - Breast Cancer - Brain Tumour - Heart Attack
include of your pepeha...**



**2023-2024 ABI & Te Titoki Mataora
Summer Studentships – Guidelines
for Supervisors**

- 10-week paid studentships for Māori, Pacific, and other NZ tertiary students Experience what conducting health and MedTech research is really like.
- Work in a range of fields including brain research, medical device and digital health design and development, experimental physiology, computational modelling, software / algorithm development, clinical translation of new medical technologies, and more.
- Present your mahi to peers and researchers from the University

Supervisors and students will be matched as part of the application process for best fit. Supervisors should arrange all required resources (equipment, lab access, etc.) for the students they will host.

**ABI & TTM
STUDENT SUMMER INTERNSHIP**

Equity can be achieved by engaging Maori with implantable medical devices
Author: Charlene Vave



Introduction
The implantable pressure sensor is a piece of medical technology that is being designed by the Implantable Devices Group (IDG) to measure intracranial pressure in tamariki (paediatric) patients with congenital hydrocephalus (CH). In Aotearoa, approximately 100 paediatric patients are diagnosed with hydrocephalus every year. Māori make up 15% of our population in Aotearoa and encounter one of the poorest health statuses of all ethnic groups across the country. The number of Māori paediatric patients in Aotearoa with hydrocephalus is unknown. This presentation compiles the author's contributions to IDG within the framework of Te Tiriti o Waitangi.

Congenital hydrocephalus motivates the development of this implantable medical pressure sensor.

DEFINITION: Congenital hydrocephalus is a condition characterized by an increase in cerebrospinal fluid around the brain that results in increased intracranial pressure, which unless treated with a surgically implanted shunt, to drain and redirect excess fluid, can be fatal.



Unfortunately, the shunt often blocks, resulting in increased pressure around the brain and reduced blood supply. The implantable pressure sensor would monitor the performance of the shunt, offer patients and caregivers both peace of mind and early warning of a shunt blockage, thus preventing unnecessary hospitalizations.

Upholding obligations as a Te Tiriti o Waitangi partner will contribute to equitable health outcomes

METHOD: Engaging whānau māori with medical technology and exploring culturally appropriate health considerations is vital to achieve equitable health outcomes in research and upholding obligations as a Te Tiriti o Waitangi partner. Equitable health outcomes for Māori is the common goal for my contributions to this project and accomplished with the conducting of interviews with whānau māori of all different ages, particularly māmā (mothers), about:
- their perspectives on this implantable technology in the brain, including the pressure sensor, the app and the wand
- the most effective communication style for Māori
- considerations within āsuaranga and ākanga māori



Communication about medical technology with Maori is most effective kanohi ki te kanohi (in-person)

FINDINGS: Six interviews were conducted with māori māmā (mothers), ages ranging between 24 and 48 years of age, to understand the most effective ways to communicate this implantable technology with tamariki and their whānau. Every participant explained that "kanohi ki te kanohi" in-person communication and on-going in-person support is vital to establish and maintain relationships with Māori.

"MĀORI SEE PEOPLE AS THE USERS OF THE TECHNOLOGY MORE THAN THE TECHNOLOGY"

"Show passion in your research and be truthful about the process from initiation to end user"

"WHEN PRONOUNCING MĀORI KUPU, TRY TO PRONOUNCE IT CORRECTLY"

"I WILL NEED TO SEE THE TECHNOLOGY AND THE APP. TEST IT, SEE IF IT SUITS MY CHILD'S NEEDS"

These quotes highlight ways to maintain the relationship during respectful and thoughtful communication with Māori.

Conclusion

The team is committed to upholding their obligations as a Te Tiriti o Waitangi partner, exploring and respecting mātauranga Māori (knowledge), encouraging tino rangatiratanga (Māori participation and autonomy) in research and health engagement, and reinforcing Māori perspectives in science. Not only are the voices of Māori important for furthering this research, but also to ensure that the differences between Māori and non-Māori are accounted for when engaging with whānau regarding the pressure sensor technology and accompanying wand and app.

Recommendations to ensure Te Tiriti o Waitangi obligations are upheld

PARTNERSHIP: "Stay in contact with me. I would be asking about the support available to me when I have further questions. Do I have a Nurse Specialist on hand like cancer patients or will I contact our specialist directly?" (Interviewee, 2023)

ACTIVE PROTECTION: "Present all the information to make an informed decision and give my consent for this life changing surgery to take place. How will you protect and keep my baby safe? How will I protect/support my baby moving forward post-surgery?" (Interviewee, 2023)

EQUITY: "Even though I am pakeha, I am doing a Māori nursing degree and I have learned of the inequity and the injustices Māori face within the healthcare system. I have never faced it as a pakeha but now that I am aware of it, I have seen it in practice and its made me aware of my own biases. I hope that's something your research team has considered." (Interviewee, 2023)

OPTIONS: Does this research result from the explorations of other options? What are they?
TINO RANGATIRATANGA: Oftentimes we are not going to have a process that is designed for Māori (eg: ethics board, grant applications and surgery) but you can ensure that they are written with whānau māori in mind - will this process enable my team to exercise tino rangatiratanga? Have I discussed this process in partnership with my team and received their feedback? How will this process mitigate risk and actively protect my project and the end user in the future? Will this process contribute toward an equitable health outcome?

"Eranga te iti i te kore rawa" Working with Lymphoedema patients
a little is better than nothing at all.



Lymphoedema is an incurable disease

When the lymphatic vessels can no longer break down any excess fluids or other gunk carried through the vessels and lymph nodes. The affected area will swell in the layer of fat underneath the skin. The pain is too much to bear as well as adjusting to normal day life.



Connecting our Māori to the Māori Community

The word Māori means life force in the te reo Māori. That life force connects to the culture, to others, and to God. By understanding our rights and freedom under Te Tiriti o Waitangi, we can gain a better solution and better grasp of our own future.

The principle of Tino Rangatiratanga, to understand and the full information before we give consent. To be control of any data provided.

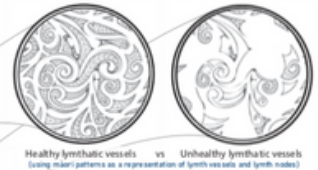
The principle of Partnership gives us a chance to work together to achieve better results.

The principle of Equity allows all Māori to receive equal treatment no matter what circumstances making sure there are equal outcomes for all.

The principle of Active Protection provides us safety knowing that the board of Māori Council know as much as we do.

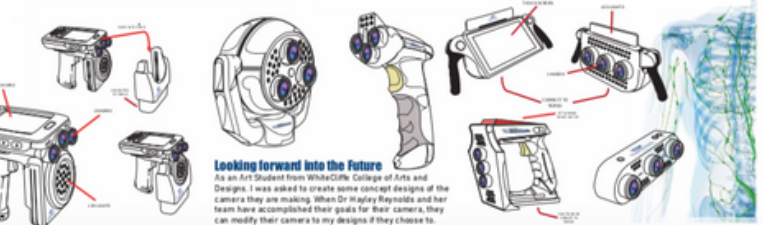
And the last principle of Options, gives us assurance that all procedures are provided and done in a culturally appropriate way.

When we truly understand Te Tiriti o Waitangi, then our Māori, our life force realises with our culture and everything will be set right and order is balanced.



A better and easier way to see and record

Dr Hayley Reynolds and her team are designing a camera system here in New Zealand. To help Doctors and Lymphoedema specialist in recording data and collect better imaging for studies and research. 3D imaging and being able to record larger areas at once will help advance and bring faster treatments for patients.



Looking forward into the future

As an Art Student from Whitecliffe College of Arts and Design, I was asked to create some concept designs of the camera they are making. When Dr Hayley Reynolds and her team have accomplished their goals for their camera, they can modify their camera to my designs if they choose to.

We control the outcome and relieve the pain

We know that Lymphoedema is incurable, but there are ways to prevent it reaching level 3 or 4. The way we can achieve these results is by individually locate each person's lymphatic systems.

Step 1: Inject non toxic ICD dye (indocyanine green fluorescent dye) into the area of the arm or leg.

Step 2: Massage the area so that the ICD dye can reach throughout the arm or leg. This process takes at least 45 mins.

Step 3: By using a special camera called the POE NEO II, which is an infrared fluorescent imager that will pick up the ICD dye. Images will be taken and recorded.

By understanding each individual lymphatic system. Further action can be taken to lessen their pain and prevent stage 3-4.

Who do we improve and get better
The ICD dye is proven to be the most safest and proven dye to use in the lymphatic system. Massaging the dye throughout the area does take time. The only solution that needs to be better is the camera itself. The POE NEO II is a good camera, but it also has limits. Such as, wider angle shoots and not a clearer picture of the patients lymphatic system.

Who better than this team to drive the project



We acknowledge the mahi of Charlene Vave (above) and Aki Vave (left)

STUDENT POSITIONS AVAILABLE
**Te Titoki Mataora Māori
PathwayStudentships x 5**
Te Titoki Mataora PacificStudentships x 5
ABI Māori&Pacific Studentships x 10

**MANAAKI SESSIONS DURING SUMMER
INTERNSHIP**
THE PURPOSE OF THESE SESSIONS IS FOR
TAUIRA & KAIAKO TO GET A BETTER
UNDERSTANDING OF EACH OTHER & TE AO
MAAORI VIA WHAKAWHANAUNGATANGA -
BUILDING A RELATIONSHIP
WEEKLY
7PM - 8PM

Closing date: 12pm Mon 2 October 2023.

If you would like to host a funded summer student via our programme, please complete our supervisor application at this link.

https://docs.google.com/forms/d/e/1FAIpQLSc_Rmy-KWiJz4E8gsnuxAr-Gtlx16L2JTBukgdr7LkOveK-1A/viewform

If you know any students interested in applying, please forward them this link.

<https://docs.google.com/forms/d/e/1FAIpQLSF3UMEBV2U1wITdumisPR5-evSit6wY83hKv5zqMA406T8r3A/viewform>

Kia kaha

Let us stand strong together to advance Māori health and wellbeing through culturally responsive rangahau

ACKNOWLEDGEMENTS



KAIRANGAHAU HUI

Iwi United Engaged have started the ball rolling to bring everyone together under the one roof.

It is our desire to introduce: Kairangahau to te Ao Maaori by way of a "Hui a Motu"

HUI 1 - PROPOSED DATE - APRIL 2024

Kei Turangawaewae Marae -
Ngaaruawaahia

HUI 2 - PROPOSED DATE - OCT 2024

Kei Ngaa Hau e Wha Marae - Otautahi
(TBC)

If you are interested in being part of this kaupapa contact Whaea for more details: whaea@iue.net.nz



Pulse Wave Velocity

Nō India ahau.
Ko Aravali te maunga.
Ko Yamuna te awa.
Ko Faridabad whenua tupuna.
Ko Ekta Singh Dahiya tōku ingoa.

Kia ora, and warm greetings to you. My name is Ekta, and I am a researcher at the Institute of Biomedical Technologies (IBTec) at the Auckland University of Technology (AUT). I have a passion for researching heart (cardiovascular) health. I am currently researching pulse wave velocity (PWV) in Māori and Pasifika whanau as a clinical biomarker for assessing cardiovascular risk.

Pulse wave velocity (PWV) is a way of measuring arterial stiffness (stiff blood vessels) and predicting a person's future risk of stroke or heart disease (cardiovascular diseases). Increased pulse wave velocity is a sign of stiffer blood vessels, which could lead to stroke and heart disease. Earlier and more accurate detection of cardiovascular risk may lead to improved prevention of heart diseases.

To measure PWV, we will be using a device known as a SphygmoCor. A thigh cuff will be placed on your right thigh over your clothing. The pulse at the neck will be felt by hand and marked for reference. A measuring tape will record the distance between the marked neck point and cuff, and a tonometer (pen-like device) will record the pulse at the neck region.

Working alongside IUE, my team and I wish to understand better what communities and whānau know about cardiovascular health, what they think of our study process, and how we can interact with Māori and Pasifika whanau in a culturally safe way. The outcome of this research will provide insight into culturally appropriate engagement as well as provide representation for Māori and Pasifika whānau. It will also facilitate equitable health outcomes for Māori and Pasifika.

Upcoming Te Titoki Mataora Northern Whaia Te Tika Series

With a shared vision to advance Maaori health, TTM and IUE is offering the opportunity to register for this workshop series to anyone who is looking at supporting a Maaori summer student, applying for RAP 1 funding or wanting to engage effectively with Maaori communities

Workshop 1-
3/10/23 - 10-1pm online

Workshop 2
12/10/23 10-1pm online

Workshop 3/4(wananga1)
31/10/23 10-4pm onsite (Beaufords)

Workshop 5
16/11/23 10-1pm online

Workshop 6
23/11/23 10-1pm online

Workshop 7/8 (wananga2)
30/11/23 10-4pm on-site (Beaufords)

REGISTER NOW - cmdt.org.nz/event-details/matauranga-maori-whaia-te-tika

If you are doing good stuff and would like us to share it through our pānui, please contact us
whaea@iue.net.nz