### Australian Institute of Orthopaedic Technologists Inc.

# newsletter



- Letter from the President
- Student nurses time in fracture clinic
- Lisfranc joint line, ligament & mechanism
- Ollie B. Slotheran
- X-ray corner
- Who am I?
- A week in the life of an orthopaedic registrar
- Orthopaedia nurse liaison
- Objects found in casts

# OrthoBrace

### OrthoHumerus

#### Product Highlights

- o Pre shaped thermoplastic bi-valved shells
  - o Optional sling attachment
    - o Comfort plush material
      - Ezy velcro closure



A907 September 2022 Newsletter

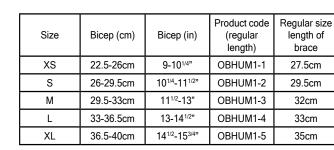




OrthoHumerus

#### **Indications**

- Humeral fractures
- Humeral fracture non-union
- Post-surgical humeral stabilisation



For further information contact: Bryan Francis - bryan@medicalaccessories.com.au

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<u>Measuring Guide</u> Measure the circumference of mid bicep.



Letter from the President.

Hello to all Orthopaedic cast room staff,

I trust that you are all experiencing a return to some normality following the covid events of the past couple of years, and you and your families are in good health.

Unfortunately this year due to the uncertainty of covid it was decided to cancel the 2022 National conference in Cairns. The AIOT are extremely confident that we are able to present the conference in Cairns in 2023 with a definite date being available in the near future. I hope that we will have plenty of interest from staff all over Australia wanting to attend. The conference will also host the Annual General Meeting, it is time to elect a new executive committee and it is hopeful that we will have new members willing to take on committee positions. The AIOT needs new enthusiastic members to drive this association forward and without them there are no conferences, newsletters and a voice for our profession in the training forum.

On the subject of training and education the new Diploma course has been signed off by the National Training Body the Australian Skills Quality Authority (ASQA). However the course still requires a Training Institution such as a TAFE College or (RTO) Registered Training Organisation to deliver the course and at this point in time we are unsure when and if, this will occur.

In Queensland the AIOT currently has an agreement with Queensland Health and the Union to continue to offer new trainee cast room staff a similar program to the discontinued Certificate IV In Cast Technology Modules. This has been put in place to alleviate the void of experienced Orthopaedic and cast Technicians due to retirement etc and will offer staff a qualification similar to the Certificate IV along with remuneration incentives.

Information is available on the (QHEPS) Queensland Health Website, please be mindful that to be eligible you would need to be employed in a position working for Queensland Health, and a Training position has been advertised.

Regards Terry James AIOT President

#### How to contact us...

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# Fracture clinic placement at the Austin hospital Melbourne "3rd year student nurse Alyce's time in fracture clinic"

#### Alyce Keane **3rd Year Nursing Student** La Trobe University

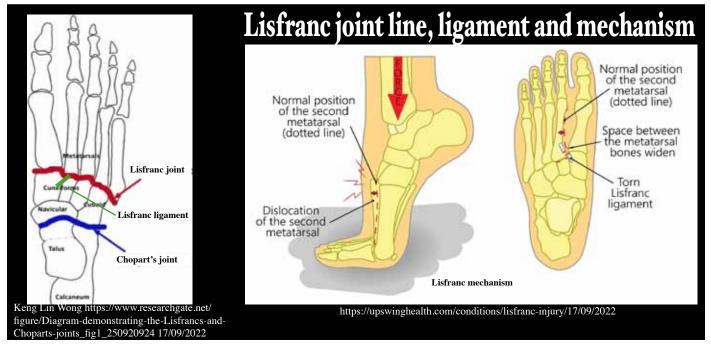
s part of my nursing community clinical placement through La Trobe University, I have been fortunate enough to spend a morning at the Austin Health outpatient fracture clinic, at the Heidelberg Repatriation Hospital.

I was unaware of the important role that nurses play in fracture clinics and was surprised to see how involved and wide a trained nurse's scope can be within these clinics.

I was able to assist the team in conducting cast removals as they used the cast saw and the various application processes and means, such as a plaster back slabs and fibreglass casting.



Additionally, I was able to assist in comforting patients whilst ensuring that the correct application and positioning of the fractured limb was maintained in the process. I thoroughly enjoyed the hands-on experience offered at this clinic which has definitely been a major highlight of this placement!







#### DONJOY" UltraSting PRO

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#### CONTACT

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Ollie is our fracture clinic mascot and takes pride and place at the Joan Kirner Women's and Children's hospital in Melbourne. Ollie belongs to our clinic nurse Sophie, and he brings a great deal of joy to the children who attend our clinic and they are fascinated with his cast, sling and orthoses.

Ollie has an above elbow cast with a collar & cuff, he has a right leg post op knee immobiliser, and on his left leg a cam boot.

The main picture is Ollie celebrating Christmas with his reindeer antlers.

















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John Kinealy





Is the radius dislocated in the above films? What is my name?



Bennett's, Rolando or neither! Describe me.



Which way is the apex pointing, Radially or Ulnarly?

#### Who Am I?

- I am a considered a trans-syndesomotic fracture. I am a \_\_\_\_\_\_
- I am the broad triangular ligament on the medial side of the ankle \_\_\_\_\_
- I am a fracture found in the diaphyseal or metadiaphyseal region in children, one side of the cortex is still intact
- I am the joint between the Trapezium and the 1st metacarpal
- I am the ring shaped ligament around the neck of the radius \_\_\_\_\_
- I am the space between the medial side of the Talus and the medial malleolus
- I am the tendon that extends the thumb and may be ruptured following a Colles' fracture \_\_\_\_\_



# Actimove<sup>®</sup> Shoulder Abduction Sling

Actimove® Shoulder Abduction Sling is designed to aid pain relief by immobilizing the shoulder joint. It limits the range of motion, providing rest for the shoulder in a flexed elbow position and upper-arm abduction at around 15°. Patients will appreciate the easy one-handed application and the comfort of the soft, breathable and washable material.

- Easy to apply and to remove, even with one hand, thanks to the stable snap-lock buckle connecting the strap with the pocket, and the quick release buckle attached to the walst strap.
- Designed to aid pain relief through shoulder immobilization at the upper-arm abduction at around 15".
- Secure and tailored fit for most patients through the extra-long waist strap of which can be adjusted in length.
- Increased comfort through the adjustable padded neck strap reducing the pressure on the neck.

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- Minor instability of the shoulder (e.g., dorsal instability)
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- Joint dislocations (e.g., shoulder luxation)

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73446-05	м	37 - 40 cm	1 immobilizer	
73448-06	L	40 - 43 cm	1 Immobilizer	
73446-07	XL.	> 43 cm	1 immobilizer	

- For increased patient comfort during prolonged wear as the perforated material allows for breathability.
- Brings comfort during wear due to the soft outer and inner materials, edges and seams.
- Helps to maintain muscle strength through hand and arm muscle training exercises using the attached squeeze ball.
- Clothes are protected through the soft, supple and colour fast material.
- Dirt and signs of wear are less visible due to the black inner lining of the arm pocket.
  - + Universal, right or left fit, eliminates the need for excess stock.
  - For easy care and a hygienic wearing experience, can be machine washed at 40°C.
  - Convenient during medical checkups through radiolucency.
  - Suitable for those sensitive to latex as its free from natural-rubber-latex.



Easy one-handed application thanks to the stable snap-lock buckle.

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# A week in the life of an orthopaedic registrar

Unaccredited orthopaedic registrar

Orthopaedic surgery is a rewarding and very demanding career. We treat every patient demographic and have such a varied breadth of presentations that every day is interesting and every day I see something new. The technical aspect really appeals to me. From a young age I always loved taking things apart and putting them back together - lego, fixing up cars and then working at Bunnings as a student. When I discovered that a medical specialty such as orthopaedics could provide me this technical challenge and satisfaction I was instantly attracted to it - and have never looked back. At a core level I enjoy the fact that the majority of orthopaedic patients - both elective and emergency - come in with a problem and, relatively quickly we can 'fix it' and see a result.

I am now five years into my career as a doctor, and third year working full time as an orthopaedic registrar. I still have at least 6 years until I become a RACS qualified orthopaedic surgeon. A standard working week for me involves a mixture of theatre, ward round, clinic and on-call, in addition to unit meetings and training time. There is a rotating roster to share duties and roles between all of the registrars, and we are generally on-call once a week.

You do not become an orthopaedic surgeon overnight. There is a huge amount of theoretical and technical knowledge and skill that is required. I am now five years into my career as a doctor, and third year working full time as an orthopaedic registrar.



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Monday morning I arrive at 0630, to prepare for a 0645 registrar handover. This handover is crucial to ensure all inpatients and any outpatients awaiting operations are handed over to the rest of the team, to make sure all plans are in place and nothing is missed.

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At 0730 begins our consultant ward round. It is a truly multidisciplinary affair with our head of unit, registrars, residents, interns, ward ANUM, physiotherapists and orthotists. It is a big team, and truly means our patients get the best possible care with such an experienced team from diverse backgrounds. Once the ward round is finished, we get started at fracture clinic, which runs for the rest of the morning. We see a diverse mix of patients of all ages, with acute injuries which are managed either operatively or non-operatively. Patients are seen at every stage of their journey: newly referred after a recent injury, pre- or post-operatively, and weeks down the track following an intervention. Fracture clinic is another multi-disciplinary setting. We work closely with the nursing staff and plaster technicians who help in managing patients requiring plastering and wound reviews, and also the physiotherapists and orthotists to aid in patients' rehabilitation and recovery.

Monday afternoon involves either a half day (of which we get two a week) or into the operating theatre. As a registrar, our involvement in the operating theatre varies from assisting a consultant surgeon, to performing part or all of an operation independently. How much we do depends on our level of experience, the relationship we have with the specific consultant, and how complex the operation is.

### <sup>(C</sup>You do not become an orthopaedic surgeon overnight. There is a huge amount of theoretical and technical knowledge and skill that is required.

Tuesday starts with a handover at 0700 and then a registrar ward round to follow. Depending on the specific week, I will either head to theatre or off for half a day.

Wednesday starts with a handover at 0700, and then into our weekly unit meeting. This is another multidisciplinary setting, with consultants, registrars and junior medical staff, nursing and allied health all in attendance. The meeting involves presenting all pre- and post-operative patients for the week and discussing patients with complex issues.

Wednesday afternoon will then - depending on the week - involve either theatre or a half day.

Thursday starts in a similar fashion to Tuesday, with a handover at 0700 and then a registrar ward round to follow. Thursday afternoon is busy, where we have our second and busiest fracture clinic for the week. Where Mondays' clinic will have 60-70 patients, Thursday will have 100-120 patients. Clinic will generally finish at 6pm, to then go straight into our second unit meeting for the week (run in a similar fashion to the Wednesday morning meeting).

Friday will start with a handover at 0700 and then a registrar ward round to follow. Again depending on the week, the rest of the day will either involve a theatre list, or being on-call.

As the on-call registrar, it is my job to take all referrals from the emergency department, other medical units, general practitioners and other hospitals. Aside from taking referrals, my time will be spent in the operating theatre assisting or operating on patients with injuries requiring emergency surgery.





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# Orthopaedic liaison nurse Austin hospital

#### **RN Emily Kelso**

Orthopaedic liaison nurse Emily speaking, if I had a dollar for every time I use this phrase to answer the phone I'd be rich. I have been one of the two specialist clinics Orthopaedic liaison nurses at the Austin Hospital for about five years, and to say it's a busy role is an understatement. There are thousands of patients under the Orthopaedic outpatient unit with hundreds of patients being seen in the clinics every week, so my job can be a little overwhelming at time and also very rewarding.

I work in this role three day a week, two of which are our main clinic days and things would never run smoothly without the amazing team I'm blessed to work with. In between the countless emails, phone calls, teams chats and meetings I am responsible for overseeing the running of the clinics for all the Orthopaedic



consultants; which is a challenge within its self, managing the two fracture clinics that are run weekly and the triaging of all new orthopaedic referral from both within the hospital and from the community. As my job title suggests I spend a lot of time liaising with the doctors, radiology and allied health departments and clerical staff to make the clinics run as smoothly as possible. This not only benefits the patients but also make its more pleasant for the staff as they know who to turn to with all Orthopaedic outpatients related question. With anywhere up to 120 patients being seen in fracture clinic alone on any particular day I need to be organised, and often end up reading a few hundred patient files a week to ensure that they are booked correctly and have orders for all the imaging they need before their appointments.

One of my favourite parts of the role is working up in the clinics. There I get to interact with patients, attending wound dressing and assisting with casting; a skill I'm sadly not a natural at. I also oversee the overall running of the clinic and in true liaison style I try and solve problems before they escalate ing when necessary. I am so proud to work along-

side all the brilliant doctor and nurses who make running these clinics possible, and love the challenge the role throws at me on a daily basis.



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# **Objects found in casts**

John Kinealy



Pen pushed into a cast and the the pen lid got trapped in the cast resulting in a pressure area





Knifes pushed into a cast, the image on the left is the lateral side and the image to the right is the medial side. This was the result and the patient claimed he had inserted the knifes the night before.



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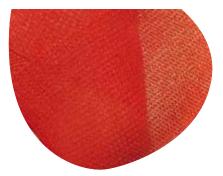


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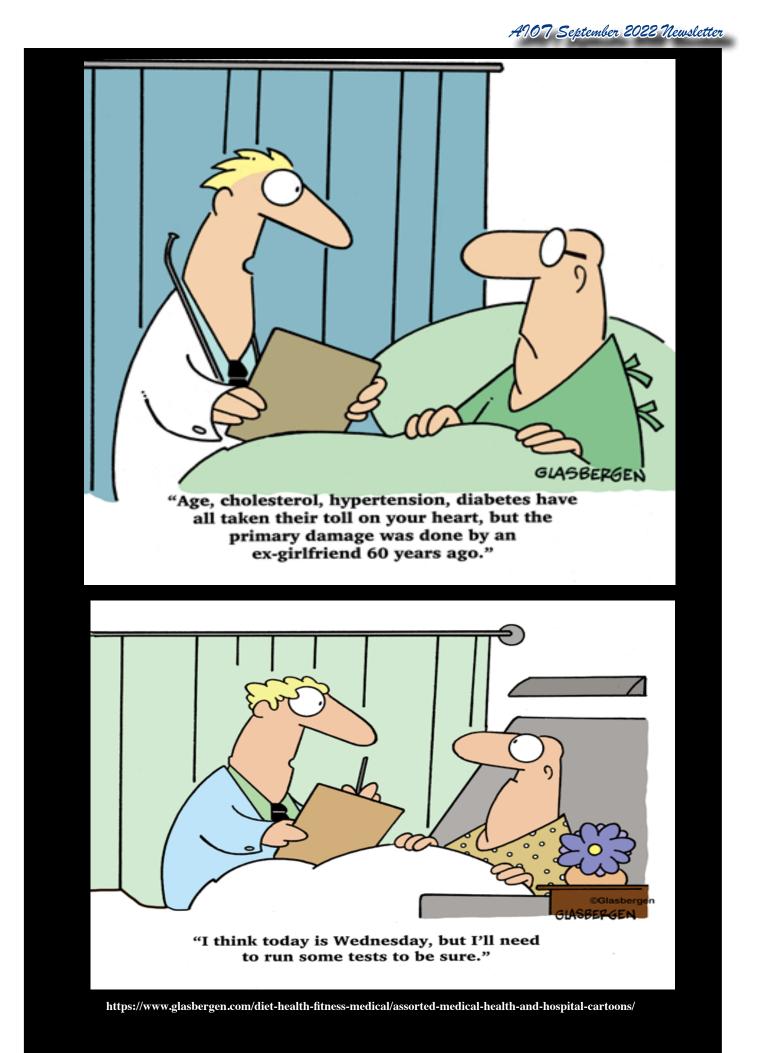




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2754	Sterile Padding 7.5cm x 3.6m	50 Rolls		
2847	Sterile Padding 10cm x 3.6m	50 Rolls		
2944	Sterile Padding 15cm	24 Rolls		

Webril<sup>™</sup> II - Non Sterile

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Code Description F	Per Bag			
Non-sterile, Bulk				
4095 Non-Sterile Padding 5cm x 3.6m	24 Rolls			
4152 Non-Sterile Padding 7.5cm x 3.6m	12 Rolls			
4221 Non-Sterile Padding 10cm x 3.6m	12 Rolls			
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