Mount sinai spinal cord injury community advisory BOARD meeting

# Monday, October 23,2023

**Meeting called to order at 11:00**

## **Welcome and Introduction**

* Attendees

Thomas Bryce, Vincent Huang, Chung-ying Tsai, Ann Spungen, Arianny Ramirez, Garrison Redd, Laiba Afzal, Isha Asim, Jill Wecht, Lynda Murray, Noam Harel, Lisa Spielman, Debra Poli, Joseph Herrera, Elaine Castelluccio, Christopher Noel, David Putrino, Lori Allen-Schneider, Melissa Gunning, Eli Ramos, Jorge Chavez, John Hamre, Mary Hodge, Ryan Martin, Tanjum Nusrat, Varsha Ganesh, Ralph Jean, Shakila Foster, Yesenia Torres, Natalie Degante, Elizabeth Weiner, Christopher Bo, Zachary Masters

## **New updates**

* Updates about the Mount Sinai Health System by Dr. Herrera:
  + Dr. Kenneth L. Davis, our current CEO, will be retiring by the end of this year and Mount Sinai is in the process of looking for a new CEO.
* Updates from the Department of Rehabilitation and Human Performance by Dr. Herrera:
  + Mount Sinai ranked at number 18 this year among Rehabilitation Programs in the US as determined by US News and World Report.
  + The Mount Sinai PM&R residency is ranked number 1 in New York State and number 8 in the US.
  + Mount Sinai Rehabilitation is currently ranked at number 3 in the Blue Ridge Institute ranking for research among academic medical centers in the US.
  + The department is ranked number 3 among rehabilitation departments in the US in successfully obtaining NIH grant funding. Mount Sinai is among several top Rehabilitation programs in the US chosen to be designated as Rehabilitation Innovation Centers through the Dr. Joanne Smith Memorial Rehabilitation Innovation Centers Act, recently created by Congress and signed by President Biden. Other centers with this designation include the Shirley Ryan AbilityLab, TIRR, Spaulding Rehabilitation, and the University of Pittsburg.
* The inpatient rehabilitation units at Mount Sinai Hospital will soon have a new home at Mount Sinai Morningside. The Mount Sinai Health System is making a 30 million dollar investment to build the new units which will house state of the art technology, brand new gym, and dedicated clinical research space on the floor below.

## **SCI CLINICAL PROGRAMS**

* The MSH SCI Acute Inpatient Rehabilitation (AIR) Unit has 25 beds at MSH.
* There is Research space on the Unit that includes a dedicated Autonomic Assessment lab.

## **Weekly Virtual Groups**

* Meditation Group: 7 - 10 participants averaged per class
* Sitness Fitness Class: 15 – 20 participants averaged per class
* Transitions SCI Support Group: 18 -20 participants averaged per class
* Peer Support Class: 15 – 20 participants averaged per class
* Women on Wheels Support Group: 8 - 16 participants averaged per class
* Boxing Fitness Class: 15-20 participants averaged per class

## **In Person support group**

* Gun Violence Support Group: (Hybrid) 6 - 10 participants averaged per class
* Yoga Class: (in-patient only) 3 - 4 participants averaged per class

## **SCI Life Challenge Program Recent Events**

10 events in total were held in the last year. An average of 6-8  people participated in each event.

* Adaptive Skiing 03/10/2023 – 03/12/2023
* Self Defense Class 01/14/2023
* Wheelchair skateboarding Life Rolls On 04/01/2023
* Manual Wheelchair Clinic 06/09/2023
* Circle Line Boat Ride (with Rec Therapy) 06/01/2023
* Return of the Fun Run 06/28/2023
* Mets vs Giants Baseball Game 07/02/2023
* Mets vs White Sox Baseball Game 07/20/2023
* Adaptive Sailing with the Hudson River sailing company 07/06/2023
* “World Spinal Cord Injury Day” Wheelchair Tennis Demo 09/05/2023 Covered by Fox 5 Watch it [HERE](https://www.fox5ny.com/video/1275043)
* USTA Meet and Greet 09/07/2023
* Return of the 22nd annual Rehab Fair 10/11/2023

## **Mount Sinai SCI planned Future Events**

* Just Hands Racing
* Halloween Haunted House
* Adaptive Gliding- With Freedom Wings International Flying For Persons with Disabilities
* Adaptive Skiing
* Adaptive Outdoor Skydiving- with Sky dive the ranch
* Fashion Show- Highlighting Adaptive/Universal design Clothing –with Openstyle
* Adaptive Kayaking
* Adaptive WCMX – with Life Rolls on Foundation
* Self-defense class
* Adaptive indoor Skydiving- at iFly
* Adaptive Cooking Class- Women on Wheels Group
* Adaptive Outdoor Skydiving- with Sky dive the ranch
* Adaptive Skiing event- taking place at Pico Mountain in Vermont
* Adaptive Water Skiing- With Leaps of Faith Adaptive Skiers
* Adaptive Surfing- With the Life Rolls on Foundation

**EDUCATIONAL OUTREACH 2023**

* Webinars for Consumers
  + [Spinal Cord Injury & Gun Violence Awareness](https://www.youtube.com/watch?v=V7SMlqX_p2U&feature=youtu.be)
  + [Achieving a Better Life Experience (ABLE) Act and ABLE accounts for people with disabilities](https://www.youtube.com/watch?v=LRmmKzPUa0o)
  + [Adaptive Driving Webinar](https://youtu.be/3tzmzkvoMxM?si=jy_uhqvUKxFK1If-)
* All can be accessed via our [MountSinaiSCI](https://www.youtube.com/channel/UCwVomnPxRwyRHiM1wSbi2ig) YouTube channel.
* Upcoming Planned Webinars
  + Adaptive Fashion
  + Nerve and Tendon Transfers for improved hand function after SCI
  + Nutrition
  + Exoskeletons
  + Robotic
* Mount Sinai SCI Educational Videos for people with Lived Experience with SCI Professionally developed SCI Educational Videos
  + - Bladder Self-Catheterization by a Female with Limited Hand Function: video currently in the works
    - Bladder Self-Catheterization by a Male with Limited Hand Function- completed

We welcome you all to collaborate with us for future webinar topics and themes. Contact Garrison or Arianny for planning or comments/suggestions.

**3rd ANNUAL SPINAL CORD INJURY RESearch fair**

* Our 3rd Annual Research Fair will be held on Monday, December 4th at 5:30 PM
  + Visit [Event Page](https://www.eventbrite.com/e/3rd-annual-spinal-cord-injury-research-fair-registration-723649955497?aff=oddtdtcreator) for more information

**Monthly Newsletter**

The online “The Spinal Connection” newsletter to provide persons with spinal cord injury (SCI) and their friends and families with current information on events, programs, new treatments, research developments, and other issues.

* Spinal Connection e-Newsletter
  + 1,500+ Subscribers | [Newsletter Archive](https://labs.icahn.mssm.edu/brycelab/newsletter-2/)
  + 2022 -2023 Analytics: 20% Increase in Subscribers

**sOCIAL media outreach**

As of March 2021, new pages focusing on SCI related content with goal of expanding exposure and engagement from the SCI communities.

* Instagram
  + [1,622 followers](https://www.instagram.com/mountsinaisci/)
* Twitter
  + [487 followers](https://twitter.com/MountSinaiSCI)
* Facebook
  + [152 followers](https://www.facebook.com/Mount-Sinai-Spinal-Cord-Injury-106017601561378)
* YouTube
  + [861 subscribers](https://www.youtube.com/channel/UCwVomnPxRwyRHiM1wSbi2ig)
* 2022-2023 Analytics
  + Instagram
    - September 2022 (1210 Followers)- September 2023 (1,622 Followers)
    - 34% Increase in Followers
  + Twitter
    - September 2022 (338 Followers) - September 2023 (487 Followers)
    - 44% Increase in Followers
  + Facebook
    - September 2022 (130 Followers) - September 2023 (152 Followers)
    - 16% Increase in Followers
  + YouTube
    - September 2022 (819 Followers) - September 2023 (861 Followers)
    - 5% Increase in Followers
* Future Outreach Goals
  + Currently our website online platform with the goal of:
    - Making it more user friendly
    - Embed Educational Videos
    - Linking to our social media platforms
    - Easier to access and read on mobile phones
    - New Website expected Jan 2024
* Continue to update our SCI resource page on our website with important links relevant to the SCI community
  + Review current resource page, open for suggestions on what topics and links we should add/update: [Useful Resources Page](https://labs.icahn.mssm.edu/brycelab/educational-resources/)

## **SCI research**

* Model systems for SCI
  + The Spinal Cord Injury Model Systems (SCIMS) program, established in 1970, is a network of 18 comprehensive SCI systems of care.
  + SCIMS study the course of recovery, health, and social outcomes beginning with the initial injury and extending throughout life.
* Awarded the Spinal Cord Injury Model Systems (SCIMS) grant cycle 2021-2026
* Basic requirements:
  + Complete site-specific research project
  + Participate in collaborative modules with other centers
  + Educate consumers & professionals
* Inclusion criteria:
  + First rehab post-injury
  + SCI of traumatic etiology
* Participation includes Form I interview, Form II interview, and/or modular interviews
* Our coordinators do an excellent job at follow-up interviews and for the last cycle we received the highest percentage of obtaining these interviews.
* Current Cycle Site Specific Project
* Safety, Feasibility, and Efficacy of Transcutaneous Spinal Cord Stimulation (TSCS) on stabilizing Blood Pressure for Acute inpatients with SCI
  + We are studying if Transcutaneous Spinal Cord Stimulation (TSCS) or electrical stimulation of the spinal cord through the skin in newly injured individuals can control blood pressure.
    - Is it SAFE? Levels of pain, discomfort, and skin burns
    - Can we find a STANDARD approach? Factors that make it difficult, Factors that help it work
    - Is it EFFECTIVE? Better blood pressure control
  + Goal: Determine best positioning and stimulation parameters for each person, incorporate TSCS into daily physical therapy and Develop and teach others an easy-to-follow algorithm for customizing stimulation parameters for each individual
  + What have we done so far:
    - Number of people enrolled: 18 Number of people Tested: 14 Number of people completed: 7 Number of Mapping Sessions: 35 Number of people withdrawn: 8
* 2021 to 2026 SCIMS Module Project
  + Safety, feasibility, and efficacy of transcutaneous spinal cord stimulation on stabilizing blood pressure for acute inpatients with spinal cord injury (ISAFSCI)
    - We are studying a standardized assessment of the autonomic nervous system which controls the heart, lungs, bowel, bladder, sweating, and sex function called ISAFSCI
      * ISAFSCI measures include:
        + heart rates, blood pressures, body temperatures, respiratory capacities, and various questions related to bowel, bladder, and sexual function
      * Our study questions are:
        + Is it FEASIBLE to conduct?
        + Are there MISSING DATA?
        + Is it REPRODUCIBLE & RELIABLE?
        + Does it PREDICT other autonomic functions?
        + Are there associations between ISAFSCI score at discharge and self-reported levels of DEPRESSION, LIFE SATISFACTION AND PARTICIPATION at 12-months?
      * What have we done so far:
        + Number of people enrolled: 47 Number of people Discharge completed: 32 Clinician Survey completed: 27 Feasibility Survey completed: 26 12 Month Follow up completed: 5
* Validity of an Interview and Online Version of the International Standards for the Neurological Classification of Spinal Cord Injury
  + We designed online survey questions asking about the ability to feel touch and pinprick and ability to move different muscles we think are equivalent to the physical exam testing muscle strength and measuring sensation that is usually done to assess the severity of SCI
  + Term of project: 7/31/2021 through 7/30/2024
  + PI: Thomas N. Bryce, MD.
  + Collaborators: Kessler (Kirshblum), Univ Washington (Burns), Thomas Jefferson Univ (Marino), Dijkers
  + Our questions are:
    - Does it ask the right things?
    - Is it understandable?
    - Are the results the same as can be obtained by a real physical exam?
  + What have we done so far:
    - Completed making the survey
    - Tested to see that it is understandable
    - Completed testing of more than have of ~60 people with the questionnaire and the actual physical exam
  + What have we still to do:
    - Complete the testing
    - Analyze the results
    - Disseminate the findings
* ExaStim Upper Limb Pivotal Clinical Validation Study
  + We are working with a company, Aneuvo, to test their new surface spinal cord stimulation device, called ExaStim. ExaStim is a portable, non-invasive device that can stimulate the spinal cord in a way that is specific to each person.
  + Principal investigator: Chung-Ying Tsai
  + Term of Project: 01/01/23 – 12/31/24
  + Type of study: Randomized control trial
  + Our questions are
    - Is the device safe?
    - Can the stimulation from the device help people with spinal cord injury move and feel better in their upper body, arms, and hands?
  + What have we done so far:
    - Continue participant enrollment
    - 1 participant completed the study
    - 1 withdrew
    - 1 screening failure
* Consumer Guide for Exoskeletal Assistive Walking for Individuals with SCI
  + We are developing a user-friendly, visually appealing, engaging and easy to read and understand evidence-based consumer guide with caregiver and persons with lived experience of SCI input.
  + PI: Vincent Huang, MD. Term of Project: 08/2022 – 10/2023
  + What have we done so far:
    - Created the guide
    - Tested to see that it is understandable
    - Had a final draft created
  + What have we still to do:
    - Have you provide feedback
    - Incorporate the feedback into a final version
* Spinal Cord Injury Pain Evolution (SCIPE) Study
  + We are assessing people’s pain and unpleasant sensations at 1 month, 6 months, and 1 year after SCI with questionnaires and sensory testing.
  + PI: Thomas N. Bryce, MD. Term of Project: 09/30/19 – 09/29/23
  + Collaborators: Kessler, Rancho Los Amigos, Univ. Miami
  + Our questions are:
    - What kinds of pains and unpleasant sensations do people have at these various times?
    - How do these pains change and how do they relate to other psychological factors?
  + What have we done so far:
    - Interviewed and tested nearly 189 people at least once at one of the four sites (Mount Sinai-Lead, U Miami, Kessler, Rancho Los Amigos)
  + What have we found so far:
    - Most people have pain and unpleasant sensations
    - The worst pain is usually not neuropathic but musculoskeletal
    - The four most common locations of of non-painful unpleasant sensations
      * Hand, fingers
      * Ankles and Feet
      * Shin and Calf
      * Feet/Toes Only
  + What do we still have to do:
    - Finish interviewing and examining everyone enrolled (6 month and 1 year follow-ups)
    - Analyze data- explore relationship between unpleasant sensations and pain and other psychological factors
    - Disseminate the findings
* Biomarkers of Spinal Cord Injury Pain Evolution during Acute Rehabilitation (BioSPEAR)
  + The purpose of this research study is to investigate and better understand neuropathic pain (NeuP) following a spinal cord injury (SCI), during the acute inpatient rehabilitation (AIR) period.
  + We are assessing people’s pain and unpleasant sensations, treatments used for pain, and psychological state weekly during inpatient rehabilitation and at 6 months post injury with questionnaires. We will also be looking at possible blood markers of pain at admission and discharge.
  + Our questions are:
    - How does pain change week to week?
    - Are some treatments more effective than others?
    - Are there any blood markers that can help predict the course of pain?
  + What do we still have to do: Everything- it is just starting, study currently in the IRB review process

## **SPINAL CORD DAMAGE RESEARCH CENTER**

* Electrical spinal cord stimulation: Like a hearing aid for your injured cord
* Veterans and non-Veterans are eligible for our research studies.
  + Spinal Cord Associative Plasticity (SCAP)
    - Collaborators: James J Peters VAMC – Noam Y. Harel – PI
    - Spinal cord associative plasticity (SCAP) to enhance response to hand training in cervical SCI
      * Can synchronized pulses of brain and spinal cord stimulation increase neurotransmission to hand muscles?
      * Can SCAP enhance the effectiveness of hand training exercises?
      * We're combining small cord stimulation with brain stimulation and we're trying to synchronize them, so that the 2 forms of stimulation meet at the spinal cord at synapses or connections between nerves in the spinal cord to try to enhance nerve transmission from the brain to your hand muscles.
  + The role of pharmacological agents in restoring neuronal excitability after chronic SCI
    - Collaborators: James J Peters VAMC – Lynda M. Murray - PI
    - Can FDA-approved drugs from other conditions be used to restore excitability to the nervous system after SCI?
    - Hand training combination study, looking at 3 active FDA drugs, versus a placebo.
    - When combined with hand training, does that improve hand function?
  + Using spinal cord stimulation to ‘prime’ the nervous system for treadmill training
    - Collaborators: James J Peters VAMC – Noam Y. Harel – PI
    - Ongoing project conjunction with our collaborators in college of Staten Island.
    - Can lumbar stimulation delivered prior to each session improve the response to treadmill rehabilitation?
  + Romosozumab to Improve Bone Mineral Density and Architecture in Chronic SCI
    - Collaborators: James J. Peters VAMC – Christopher Cardozo - PI
    - Can FDA-approved bone density loss drugs reduce bone loss and improve bone density during chronic SCI?
    - Testing current FDA drugs that have been recently approved.
    - Can it rebuild bone on those with chronic SCI who have lost enough bone that would otherwise be unable to safely participate in walking activities?
  + Identification of New Biomarkers for Determining Risk of Lower Extremity Fracture during Exoskeleton-assisted Ambulation: Developing a Personal Rehabilitation Approach to Optimize Function after SCI
    - Collaborators: James J. Peters VAMC – Noam Y. Harel - PI
    - Can new evidence-based biomarkers identify people with SCI who are at the highest risk of a fragility fracture when participating in walking strategies?
    - Using next generation methods to determine the risk of bone fracture when you're bearing weight after chronic SCI.

## **ABILITIES research center**

Logitech G Adaptive Esports Tournament

* In partnership with tech company Logitech and Ablegamers, the Putrino Lab organized an e-sports video gaming competition.
* Players with disabilities are groups according to their level of ability and compete online with players with similar abilities.
* $10,000 total grand price for the tournament.
* This year the tournament has grown and now there are many competitions in the year that the Quadgods have participated in, including adaptive and regular esports.
* A full-length feature documentary on HBO about the Quadgods is currently in the works.

Collaboration with AbleGamers

* Able Gamers, which is a not-for-profit organization that provides a sports equipment to anyone with a disability
* Whoever wants to engage in esports, Ablegamers allow us to perform an assessment on a person with a disability who is interested in esports or playing video games with adaptive equipment. And then based on the equipment needed, Able Gamers provides equipment needed to play free of charge.
* So, for any of our partner organizations, contact us if you have anyone in mind who would like to get engaged in adaptive esports or just playing video games and join the Able Gamers community.

SitGrit Program

* SitGrit is a seated exercise class that we've been running since the beginning of the pandemic when A lot of wheelchair users told us they weren't getting the exercise that they needed during the pandemic with lockdown.
* The program has grown, and we now run two weekly Zoom based totally free fitness classes.
* Our Fitness instructors are like world-class fitness instructors, they work with Red Bull and other elite trainers, and they donate an hour of their time.
* Synchron Clinical Trial
* This research study is evaluating a brain computer interface, that allows people with severe paralysis to control a digital device using their thoughts.
* We have completed recruitment for that trial, so we recruited the necessary 6 patients to complete the early feasibility and safety component of the clinical trial.
* In 12 months we will be opening up another larger clinical trial which will allow us to implant a larger number of individuals with this technology so again if you have any folks with severe quadriplegia, Unable to move arms or legs at all who are interested in really cutting edge assistive technology for digital device control, please feel free to reach out to us.

## **Spinal Cord Injury Medicine (SCIM) Fellowship for Physicians**

* 1 year fellowship duration- completed after residency
  + 2 positions this year for 2023-2024
  + - Christopher Bo, MD
  + - Elizabeth Weiner, MD

Intense clinical and research training and education

* Weekly lectures, journal club, interdisciplinary conferences
* Past alumni include
  + Miguel Escalon, MD- Mount Sinai
  + Vincent Huang, MD- Mount Sinai
  + Jennifer Chui, MD – Hackensack Meridian JFK
  + Tariq Rajnarine, MD- Moss Rehabilitation
  + Tiffany Wong, MD- NYU Langone
  + Matthias Linke, MD- Barrow Neurological Institute
  + Audrey Chun, MD- Indiana University

## **Open Discussion**

Zachary Masters: Do we have a specific plan to increase your subscribership in the newsletter? Arianny responded that we changed our newsletter layout and have seen an increase in subscribers, but we are open to any suggestions to continue to see our newsletter subscribers grow.

Texted in the chat: I can put you in touch with someone who can address sharing resources if you can share your contact info with me

Arianny asks the Panel: We also want your thoughts on our social media presence. What suggestions or critiques do you have? What would you like to see?

Debra Poli: I would suggest that you tell more stories about your patients. I think that people are drawn into that. I noticed a lot on other social media pages that that they leverage that storytelling a lot better than you guys have been. I think that would help draw people. Into your site and onto your websites.

Christopher asks, I wondered whether those stories are how participants respond to research or how research impacts their lives or how advances in research have improved healthcare. What kinds of stories do you see as most impactful or most of interest to our community.

Debra responds, I think anything that tells, you know, how people overcome the struggle of dealing with a traumatic spinal cord injury and the successes that they have working with your facility, would be good for the good for the facility. It's good for Mount Sinai to show their success stories and how you know they help people kind of overcome the struggle of their initial injury and working through rehab and then how they're so successful out in the community. Thanks to you guys, there's hundreds of stories here in New York City. People that you've been helping for many years like Chris Noel mentioned, a lot of the people in our community have been connected to Sinai for many years and a lot of them are doing important work. And I think that those are stories that you guys should capture and take credit for, a little bit more than you do. I think that you're so successful, but people don't really know it.

Joseph Herrera responded: Yeah, I love that feedback because it's. I commonly hear that we're the best kept secret and I've been saying how do we not become the best kept secret, so your input is, is important. We actually tried hiring somebody to manage some of the media stuff. It really didn't work out well for us. I know that stories really speak. And hearing this is helpful.

Zachary Masters: How many social media pages are there across Mount Sinai? So, I'll take you back to where my thoughts behind the question is, I think some people might not be directed to the right parts of your social media page. From your main page, it's hard to figure out which page I would want to get to and how to find and then subscribe to the different social media pages. People still will navigate from; I feel like from your main page. People don't always know how to get to the subpages.

Joseph Herrera responded: Yeah, so within the department, I know we have a main department, Instagram and Twitter page. And then we have a residency one. We also have a spinal cord injury one specifically and we also have one for the abilities research center. So, to your point, we do have a few different pages. I think, for our spinal cord injury community, I think the main one plus SCI and the Abilities Research Center are the 3 pages that will that I would recommend following because all those 3 touch SCI.

You know, we, to be honest, we tried looking at keeping it to one, but it's, they're just so much content out there, we have a TBI one as well, a sport’s one also. But You know, to answer your question within our department, we do have a few different resources.

Zachary Masters: have you ever tried using social media to better connect to the underserved areas that are still covered by Mount Sinai?

Joseph Herrera responded: That's a good question. I think we definitely connect to our community, which does include our underserved population for sure. I'm just not sure how to track that, to be honest, it's like looking at hot zones. I'm not sure how to, I'm not as savvy at the metrics around. Dave, if you want to chime in on that one, success of the of your pages.

David Putrino: Not, to add to the confusion, the Twitter account that has all the followers is the Putrino Lab Twitter account, which is more of a broad account for all the division of rehab innovation. Twitter is a place where you just got to find your tribe. So, understanding, which accounts are elevating your posts which hashtags are working the best. What we did initially to grow the Putrino Lab account from a couple 100 followers to, you know, knocking on 30,000 followers, was really going deep on which hashtags were gathering the most interest and the most interactions and the most content, then using those hashtags more regularly when you want something to be seen and of course understanding who's out there that is elevating the messages that that we're putting out there. I would suggest first by saying, okay, well, who are the biggest twitter accounts in the spinal cord injury space. Let's start seeing what they're doing, what hashtags they're using and then starting to understand what hashtags they're using and so on and so forth to build the following.

Christopher Noel: From the programs that Garrison just described, I think Mount Sinai is continuing to be a leader. A lot of times newly injured or people have been injured for a long time, they sit at home, and they feel like they have nothing to do. And just all of the programs that were listed and the webinars, I think it's great, from the time when I was an outpatient there, they were doing a lot of things and to see that it's continuing a lot of years later, it's a great thing. So, I think everything that you guys are doing there is great so it's good to see this.

Commented that he gives props to Arianny and Garrison. They definitely are getting the word out. I get a lot of emails on events and see them at a lot of events. They're doing a great job being representatives of Mount Sinai.

Christopher asks regarding the new Morningside location, will the Wheelchair clinic have a bigger location, since right now Jenny has a very small space to work with for the fitting clinic or for OT purposes.

Joseph Herrera Responded: That's a great question. You know, our first, phase and, and priority right now is to get the doctors and patients over to Morningside. As far as outpatient physical therapy we have not built that in yet into the plan.

**Meeting adjourned at 1300.**