



Editor's Report Volume 90, 2019

Production

The 6 issues of volume 90 year 2019 (2018, 2017, 2016, 2015, 2014) contained 626 (701, 704, 655, 763, 690) pages with 101 (112, 112, 102, 110, 105) articles. Of these, 35 were register studies, 9 randomized clinical trials, 5 reviews/meta-analyses, 4 case reports/ technical notes, and 1 Guide-line article. Furthermore, we published 4 Editorials/Annotations, and 2 Letters to the Editor.

An increasing amount of article data, mainly large tables, are included as Supplementary data, available in the online version of the article.

Submission and publication of manuscripts (Table 1)

Year 2019 (2018, 2017, 2016, 2015, 2014) 495 (574, 864, 885, 940, 972) manuscripts (ms) were submitted.

68 % of ms were clinical, 14 % case reports, 11% experimental, and 10 % reviews/meta-analyses, the same distribution since several years.

One third (154/495) of ms were submitted from NOF members, the fraction was the same in 2018 but in 2017 it was one fourth (249/864).

Of the 101 published articles Sweden contributed 26, the Netherlands 15, Denmark 22, Finland 13, UK 6, Norway 4, Germany 4, USA 4.

Changes after introduction of APC 2018 (Table 1)

The number of submitted ms has decreased, from 864 in 2017 to 495 in 2019, a 43% decrease. This is mainly caused by a decrease of ms submitted from non-NOF countries.

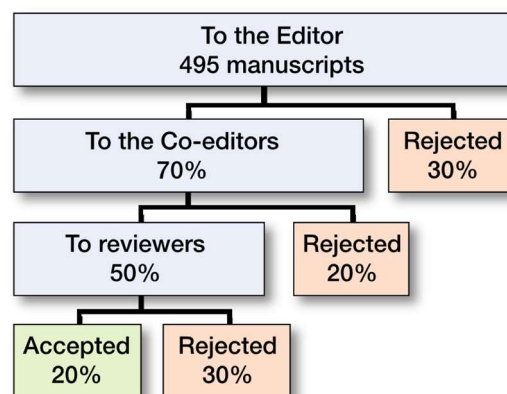
The number of ms from UK, India, and USA has decreased substantially whereas the number of ms from China (118) continued to be high.

The number of submitted ms may recover; during the first 6 months 2020, 350 ms were submitted).

During 2019 (2018) 21/341 (23/364) ms from non-NOF countries were accepted and accordingly paid APC.

Please note that direct comparisons of the number of submitted manuscripts and published articles per country and year is not meaningful. There is an overlap between years; many of the ms submitted a specific year are published first the next year.

Handling of manuscripts and acceptance



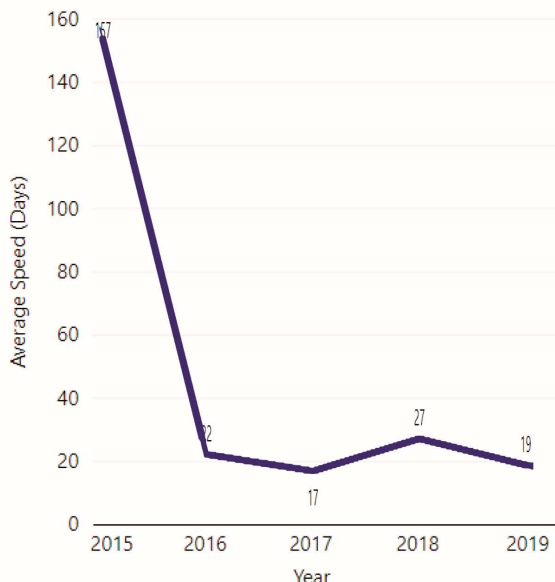
rate (Figure)

Submitted ms are rejected at 3 levels, immediately by the editor (desk rejection without peer-review; e.g. many case reports, retrospective small case series, meta-analyses comprising few eligible studies, out of Acta's scope) or by co-eds, without or after external review. After this catharsis 20% of ms remains and are published. This acceptance rate in 2018 and 2019 is somewhat higher than the around 15 % in the previous years. The explanation is the higher proportion of ms from NOF countries.

The acceptance rate varies between countries (highest for the Nordic countries) but note that all manuscripts are evaluated by co-editors and reviewers outside the submitting country.

Handling times have been about the same since almost 10 years: two thirds of ms (except those immediately rejected by in-house evaluation, < 1 wk) have a first decision letter within 3 weeks, four fifths within 6 weeks.

The mean time from submittance to acceptance was 3.5 months and <6 months for more than 90% of the ms. Acceptance times partly depend on the number of revisions necessary and the time taken by authors to do these revisions. All ms undergo 1 or more revisions before acceptance.



The time from acceptance to online on the publishers website has diminished over the years and was 2 weeks 2019, and 1–2 weeks thereafter the article is in PubMed / PubMedCentral, see Figure above

Subscriptions (Table 2)

On Dec 2019 we had 5,219 collective subscribers (NOF members (4,092 year 2011)).

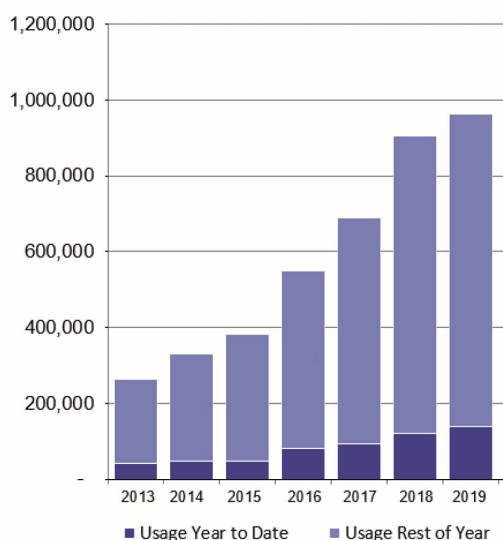
Institutional subscriptions (mainly libraries). have, as expected, decreased: from 1,237 in 2004 to 50 in 2019 mainly caused by our Open Access (start 2005).

The subscription cost for collective subscribers (orthopedic surgeons in the Nordic Orthopaedic Federation) has been unchanged since many years and is as low as 42 Euro since 1996.

Finances

The economy is in balance with a small surplus for 2019

Full Text Downloads via Taylor & Francis Online



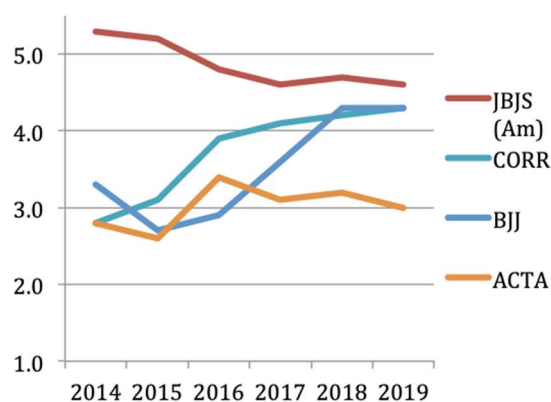
Open Access

Our Open Access (since 2005) has led to a dramatic increase of the number of article downloads, now 1 million/year (Figure), for most downloaded articles, see Table 3.

Impact factor (Figure)

Acta's impact factor was 10 years ago 0.6, for 2019 it was 3.0, a slight decrease from the 3.2 year 2018, however close to that of the 3 other large, general orthopedic journals. Among the 82 journals classified as "Orthopedics" Acta ranked 18 in 2019. JBJS was number 3 (IF 4.6), CORR nr 5 (IF 4.3), BJJ nr 7 (IF 4.3). American Journal of Sports Medicine had the highest IF, 5.8 followed by Journal of Physiotherapy, IF 5.4.

For most cited ms during 2019 and published 2017-18, see Table 4. For ms not cited at all, see Table 5



Editor meetings

The Editors have had, as usual, 2 meetings in 2019. The Minutes from these meetings are enclosed.

Executive committee (ExCom) meetings

Anders Rydholm and Peter Frandsen have had several meetings with NOF representatives in the ExCom group.

The Future

The situation with electronic only Acta and APC will go on. The outcome will decide the future: Keep the system or modify APC and/or collective subscriptions are possibilities whereas return to printed Acta is highly unlikely.

We have decided to consider for publication manuscripts previously up-loaded to a non-commercial preprint server, such as MedRxiv.

We will make the review process transparent, i.e., make the complete preprint correspondence between

authors, editors and external reviewer electronically available together with the published article (a system already applied by some journals).

We will publish Registered Reports and Study Protocols.

We will make our website still more author-friendly with information about length of review process, acceptance rate, chances of having a revised ms accepted, when is my article on the net...

We will celebrate Acta's 90-year anniversary with a special June 2020 issue.

Anders Rydholm 2020-07-23

Minutes, Editors´ meeting 3 May, 2019, Spelabäcken, Skanör

Partipants: Li Felländer-Tsai, Peter Frandsen, Ivan Hvid (including Carlo, part-time), Kaj Knutson, Jonas Ranstam, Anders Rydholm, Urban Rydholm, Bart Swierstra, Magnus Tägil, Rolf Önerfält. From MM: Andy Beare, Leah Kristensen

Meeting opened and Minutes from previous meeting approved.

Acta statistics 2018 presented by Bart, some observations: increasing number of downloads, 20 % of published articles not cited.

Andy and Leah presented new and upcoming initiatives and 'industry' news. 150 authors have used the possibility to check ms with “Penelope” before submission, editors do not know which ms have been checked, will in the future be informed about this by MM. Information about crowd reviewing, mixed feelings from editors. Possibility for reviewers to be registered in Publons will be checked by MM.

Peter reported on improved Acta economy (explained by no paper print, introduction of APC, reduced honoraria for editors); surplus for year 2018, in contrast to several previous years.

Handling of ms 2018 (general and individual flow) presented by Anders. 576 ms submitted 2018, 20 % accepted.

We prefer 2 outside (Jonas is inside) reviewers, for some reasons several ms in the Feb issue had only 1 reviewer. Structured Discussion: “Main findings, Limitations and strengths, Comparison with literature, Conclusion and implications” was discussed and may be a good idea.

Bart informed about the preprint server Medrxiv (which has not yet started but is implemented and supported by several major general medical journals). Editors in BJJ, CORR, JBJS and JOR have in a recent common Editorial opposed this and will not accept articles which have been first preprint published. I think this evolution should/could not be stopped and that it is better to have preprinted articles reprinted, but now with peer review, than ignore them.

Anders presented some varia: Findings in References wrongly reproduced.

Making large datasets available from authors and a moving acknowledgement.

Jonas lecture: “Nullius in verba”.

Next meeting will be at hotel Gässlingen, Skanör, November 8, 2019.

20190517 Anders Rydholm

Minutes Editors' meeting 8 November, 2019, Hotell Gäslingen, Skanör

Participants: Andy Beare, Li Felländer-Tsai, Peter Frandsen, Nils Hailer, Ivan Hvid, Kaj Knutson, Jonas Ranstam, Anders Rydholm, Bart Swierstra, Magnus Tägil, Eivind Witzö, Rolf Öennerfält

Meeting opened and minutes previous meeting approved.

Andy reported on MM: Further improvements of the section "Statistics". Crowd reviewing further investigated, is used by some journals; ORCID so far not compulsory in MM, will probably soon be and then also documented in the articles; UNSILO system for technical checks of ms under development, will probably replace PENELOPE, now in MM and used by some authors; having all articles in MM open for all co-eds not possible; a program menu for authors to fill in (CONSORT, STROBE....) will be introduced in MM in cooperation with Jonas; will AI be developed to predict rejection of ms?

Jonas lectured about the Uncertainty concept from a statistical point-of-view and how uncertainties could be quantified. Frequent problem in reporting of trials are: Endpoints changed from those in the registration before trial start, vague endpoints defined, ignored multiplicity issues, additional unplanned exploratory analyses presented. These shortcomings can be controlled by Registered Reports; i.e., the study protocol is submitted and externally peer-reviewed, and internally by eds and Jonas. As soon as the study is approved of as meaningful and with an adequate design it is accepted and published. The authors are then welcome to submit the finished study which will once again be sent to the same reviewers who now mainly have to comment on interpretation of findings; with an accepted Registered Report acceptance of the finished study is almost guaranteed provided the previously accepted study protocol has been adhered to. This possibility (and publication of studies previously published in a preprint server, see below) will be announced in an Editorial.

Li reported on Publisher's report including increasing number of article downloads (related to countries); positive results in an author survey on our handling of ms;

5 of the Top-10-cited articles (between 46 and 9 cites) for the 2018 impact factor (3.2, Acta 11/76 among orthopedic journals), referred to arthroplasty registers.

Anders reported on number of ms 2018/2019 predicted (574/510, APC 23/26); good handling times: for ms with review mean 4 weeks(3-8) between submission and decision letter from co-ed; suggest free (reasonable) format for first submission with adoption to Acta's house-style first in connection with revision (by our Authors guidelines, Bart's list); data sharing (Acta encourages sharing also for non-trial studies); are references to predatory journals or preprint publications acceptable (Acta, nor other journals seem to have decided)?

Peter reported from NOF/Acta (ExCom) Oct meeting; NOF view: "More review articles, more treatment recommendations, more articles on "How is it done/How I do it"?" to satisfy "younger doctors" followed by discussion.

Barts report on Fit for the future: building an open and ethical research environment, T&F meeting cancelled, time constraints, B will mail it.

Anders reported on MedRxiv <https://www.medrxiv.org>, started June 2019 and has so far attracted only 1 orthopedic ms. Acta will accept ms for review and eventual publication irrespective of whether earlier published in a preprint server (most journals do but not JBJS, BJJ, and CORR). Possibility to include Acta on MedRxiv's web-site, ie when authors submit an orthopedic ms to MedRxiv it can be simultaneously submitted to Acta?

Nils' Report from Swedish hip arthroplasty 40-year anniversary) Acta ezine

https://issuu.com/montzka/docs/the_swedish_hip_arthroplasty_regist) cancelled, lack of time. The print version was distributed.

Anders proposed a common ezine celebrating the NOF centennial and the Acta 90-year anniversary next year. The Actas content could be Acta's recent history (2000 -) and a compilation with comments on most cited articles from start 1930 or from 2000. A will fix citation lists (for all eds to study) and Eivind will ask for NOF interest and potential NOF contribution.

Next meeting, spring 2020, will be in Skanör. A Doodle will come.

Table 1. Submission and publication of manuscripts

	Manuscripts submitted									Manuscripts published								
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sweden	41	32	40	53	46	53	55	51	39	29	31	17	21	21	21	29	22	26
Denmark	31	34	42	57	44	54	51	51	37	16	9	16	22	18	17	16	14	22
Norway	21	28	18	23	20	30	22	21	10	19	15	7	9	11	10	15	14	4
Finland	13	14	20	25	34	21	32	28	19	7	4	9	11	11	17	9	9	13
Iceland				1		1		2		1			1			1		
Estonia		3	2	1	1			2										1
Lithuania								1										1
The Netherlands	48	49	75	56	59	77	89	59	49	14	11	10	9	14	9	10	20	15
Subtotal	154	160	197	216	204	236	249	215	154	86	70	59	73	75	74	80	79	82
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2011	2012	2013	2014	2015	2016	2017	2018	2019
Australia	16	15	20	12	11	14	10	7	8	3	2	2	1	4	1	4	1	1
Austria	11	11	19	26	20	12		8	11	3	1	1		2	2			1
Belgium	7	3	4	5	4	3	5	1	2								1	
Brazil					8	8	6	3	1								1	
Canada	7	9	13	10	8	6	7	9	3		4		2	2			1	1
Chile							3										1	
China	40	58	68	80	94	127	77	115	118	1	1	2	1	1	1		1	1
Egypt	11	6	10	13	22	16	8	4	3									0
France		5	10	14	7	12	12	5	8		1		2	3				1
Germany	36	52	63	78	53	54	48	26	29	10	3	8	7	4	4	4	4	2
Greece	2	8	19	12	6	3	8	1					3					
India	18	22	41	24	46	32	33	5	4								1	
Iran	13	5	7	4	18	17	8		2								1	
Ireland	7	11	2	3	8	3	3	2	1	2		1						

Israel	6	10	13	7	9	3	5	4	5									1	
Italy	20	23	26	24	30	28	20	7	9	1	1	2						1	1
Japan	41	39	52	50	37	41	39	18	15	4	6	2	1	1				1	1
Malaysia		7	7	8	2	4	5	1											
Mexico							3	2											
Pakistan							3	4	1										
Philippines									3										
Poland	6	12	13	11	15	12	6	4	1									1	
Portugal		6	2	1	4	4	6	1											
Russia							3												
Singapore			14	10	9	7	8	3	7									1	
Slovenia							2	3	4										1
South Korea	62	45	53	45	33	33	48	32	15	2	5	3		1	1	1	1	3	
Spain	20	12	28	25	40	24	26	9	10		1			1					
Switzerland	11	15	14	15	16	17	17	12	9	3	3	1					5	7	
Taiwan	30	17	21	19	10	16	15	18	14	1				1				1	
Thailand									3										
Tunisia							4	1											
Turkey	23	25	27	29	44	19	17	14	10					1	1			1	1
UK	80	84	105	85	61	50	93	17	22	6	2	9	10	11	3	5	10	6	
USA	32	38	48	58	64	42	48	17	14	2	4	9	4	5	3	3	4	3	
Vietnam									2										
Others	88	88	93	88	65	41	18	8	7	1	1	1		2	6	1	4	1	
Total	741	786	989	972	940	885	864	573	495	125	105	100	105	110	102	112	112	101	

Table 2. Collective subscriptions

	2010	2019
Sweden	1,250	1,266
Denmark	864	934
Norway	725	1021
Finland	553	667
Iceland	31	49
Estonia		85
Lithuania		241
The Netherlands	660	956
Total	4,133	5,219

Table 3. Most downloaded articles in the past 12 months (from past 3 volume years)

Article Title	Author	Volume and Issue	Number of Downloads	Open Access
Artificial intelligence for analyzing orthopedic trauma radiographs: Deep learning algorithms —are they on par with humans for diagnosing fractures?	Olof Sköldenberg et al	Volume 88 Issue 6	2,092	Yes
Cementing technique for primary knee arthroplasty: a scoping review	Birgitte Espehaug et al	Volume 90 Issue 6	1,785	Yes
Patient-reported outcomes in hip resurfacing versus conventional total hip arthroplasty: a register-based matched cohort study of 726 patients	Alexander Oxblom et al	Volume 90 Issue 4	1,694	Yes
Reduced periprosthetic fracture rate when changing from a tapered polished stem to an anatomical stem for cemented hip arthroplasty: an observational prospective cohort study with a follow-up of 2 years	Carl-Johan Hedbeck et al	Volume 90 Issue 5	1,649	Yes
Osteochondral lesions of the talus: Few patients require surgery	Sang Gyo Seo et al	Volume 89 Issue 4	1,641	Yes
Artificial intelligence detection of distal radius fractures: a comparison between the convolutional neural network and professional assessments	Dingli Xu et al	Volume 90 Issue 4	1,550	Yes
The effect of smoking on outcomes following primary total hip and knee arthroplasty: a population-based cohort study of 117,024 patients	Gulraj S Matharu et al	Volume 90 Issue 6	1,517	Yes
Long-term outcomes of over 8,000 medial Oxford Phase 3 Unicompartmental Knees—a systematic review	Hasan R Mohammad et al	Volume 89 Issue 1	1,420	Yes
Optimal duration of anticoagulant thromboprophylaxis in total hip arthroplasty: new evidence in 55,540 patients with osteoarthritis from the Nordic Arthroplasty Register Association (NARA) group	Jan-Erik Gjertsen et al	Volume 90 Issue 4	1,410	Yes
Posterior and anterior tilt increases the risk of failure after internal fixation of Garden I and II femoral neck fracture	Pontus Sjöholm et al	Volume 90 Issue 6	1,397	Yes

Table 4. MOST CITED IN 2019, PUBLISHED 2017–2018

Cites

- 27 Olczak, J et al. Artificial intelligence for analyzing orthopedic trauma radiographs: Deep learning algorithms-are they on par with humans for diagnosing fractures?
- 17 Gromov, K et al. Feasibility of outpatient total hip and knee arthroplasty in unselected patients: A prospective 2-center study
- 17 Mills, L et al. The risk of non-union per fracture: current myths and revised figures from a population of over 4 million adults
- 17 Chung, S et al. Automated detection and classification of the proximal humerus fracture by using deep learning algorithm
- 16 Seagrave, K et al. Acetabular cup position and risk of dislocation in primary total hip arthroplasty: A systematic review of the literature
- 13 Vehmeijer, S et al. Outpatient total hip and knee arthroplasty: Facts and challenges
- 12 Moatshe, G et al. Biological treatment of the knee with platelet-rich plasma or bone marrow aspirate concentrates: A review of the current status
- 12 Zijlstra, W. et al Effect of femoral head size and surgical approach on risk of revision for dislocation after total hip arthroplasty: An analysis of 166,231 procedures in the Dutch Arthroplasty Register (LROI)
- 10 Mohammad, H et al. Long-term outcomes of over 8,000 medial Oxford Phase 3 Unicompartmental Knees—a systematic review
- 6 Kehlet, H et al. High-dose glucocorticoid before hip and knee arthroplasty: To use or not to use-that's the question

Table 5. NOT CITED IN 2019, PUBLISHED 2017-2018

- Patient-reported outcome after hip dislocation in primary total hip arthroplasty is virtually unknown: a systematic literature review
- Knee joint sagittal plane movement in cerebral palsy: a comparative study of 2-dimensional markerless video and 3-dimensional gait analysis
- Blount's disease successfully treated with intraepiphyseal osteotomy with elevation of the medial plateau of the tibia-a case report with 65 years' follow-up
- Risk factors associated with acute kidney injury in a cohort of 20,575 arthroplasty patients
- Is the proximal bone resorption around the femoral stem after hip arthroplasty really caused by reduced stress?
- The course of pain and function in osteoarthritis and timing of arthroplasty: the CHECK cohort

- Ten cold clubfeet
- Surgical management of obturator neuropathy with a concomitant acetabular labral tear – a case report
- Is gain in health-related quality of life after a total hip arthroplasty depended on the comorbidity burden?
- Threshold values of ankle dorsiflexion and gross motor function in 60 children with cerebral palsy
- 5-year-old child with late discovered traumatic patellar tendon rupture – a case report
- Highlighting the results of a trial by using appropriate inferential statistics
- Spinal metastasis with neurologic deficits: Outcome of late surgery in patients primarily deemed not suitable for surgery
- Highlighting the results of a trial by using appropriate inferential statistics
- Risk of cancer after primary total hip replacement: The influence of bearings, cementation and the material of the stem: A retrospective cohort study of 8,343 patients with 9 years average follow-up from Valdoltra Orthopaedic Hospital, Slovenia
- Open Access Acta going electronic-only for members of the Nordic Orthopaedic Federation, *Editorial*
- How to tackle the orthopedic maze, *Editorial*
- Posterior approach compared to direct lateral approach resulted in better patient-reported outcome after hemiarthroplasty for femoral neck fracture
- Classification of long bone fractures in children
- Axial and appendicular body proportions for evaluation of limb and trunk asymmetry
- Stability and migration across femoral varus derotation osteotomies in children with neuromuscular disorders 1-year RSA results
- Posterior approach compared to direct lateral approach resulted in better patient-reported outcome after hemiarthroplasty for femoral neck fracture
- Thromboprophylaxis for venous thromboembolism prevention in hip fracture patients